FACTORY: PLOT NO.: 72, KHADOLI GOVT. INDUSTRIAL ESTATE, VILLAGE KHADOLI, SILVASSA - 396 230. D.&N.H.
U.T. VIA - SILVASSA, PIN CODE: 396 230
TEL.: 0260-3267731



Unit No. 03, Level - 02, Centrium,
Phoenix Market City, 15 LBS Marg, Kurla (West),
Mumbai - 400070. Tel.: +91-22-61801700
Website: www.thevanitycase.com

INTERNSHIP CERTIFICATE

This is certify that Mr.Ajay Shashikant Sapkale has completed two months internship in SHIVOM INDUSTRIES from 12.08.2022 to 20.10.2022

We found him to be professional and result oriented with practical understanding of work

Requirement

On half of the company, we take this opportunity to wish him all the very best in his future Career endeavours.

Thanking You

Yours faithfully,

2 3

FOR SHINOM INDUSTRIES

AUTHORISED SIGNATORY



TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Anamika Bhadauria has undergone Internship training in CRD - Analytical Department of our Organisation based at Mumbai from 8th August, 2022 to 7th September, 2022.

Her training was found to be satisfactory.

For Ipca Laboratories Limited

~ ____

Dr. Ashok Kumar President - R & D (Chemicals)

Place: Mumbai

Date: 15th September, 2022



TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Ankita Mogaveera has undergone Internship training in CRD - Analytical Department of our Organisation based at Mumbai from 1st July, 2022 to 29th July, 2022.

Her training was found to be satisfactory.

For Ipca Laboratories Limited

* For

Dr. Ashok Kumar

President - R & D (Chemicals)

Place: Mumbai

Date : 29th July, 2022

det

E: ipca@ipca.com CIN: L24239MH1949PLC007837



Precise Analytics Lab.

EXCELLENCE in PHARMA & BIOTEC RESEARCH & QUALITY ASSURANCE

B-22, Road No.16, Wagle Estate, Thane (W) 400 604 (Mumbai) INDIA. Tel.: 91-(22) 25827041, 65550111 Fax.: 91-(22) 25827042 Email.: info@preciseanalytics.co.in, customercare@preciseanalytics.co.in Web.: www.preciseanalytics.co.in

MOPL/PAL-11/22-23

Date: 04/10/2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Asit Talwatkar student of Viva College has successfully completed his Industrial In plant training in our organization from 05/08/2022 to 04/10/2022.

During the training period we found him enthusiastic and sincere.

We hope every success in his future endeavor.

For Precise Analytics Lab.
A Division of Meyer Organics Pvt. Ltd.

Dnyaneshwar Parab Technical Manager – Quality Control

Registered Office: Plot No. A-177, Road No. 16-Z, Wagle Industrial Estate, Thane (W) 400 604.

Corporate Identity Number: U24239MH1981PTC023845



AGOG Pharma Ltd.





(WHO - GMP CERTIFIED, GOVT. RECOGNISED ONE STAR EXPORT HOUSE)

Date-01-08-2022

To whomsoever it may concern

This is to certify that mr. Ayush Santosh pawar student of viva college, has successfully completed his internship in the Agog pharma ltd. from 01-07-2022 to 31-07-2022 under guidance of mr.Rajesh phanse sir.

During the period of internship program with us student was trained GMP,GLP,testing techniques We wish him every success in his life and career.

For Agog pharma ltd.

Authorized signature

GM AGOG PHARMA LTD

226, 'GAURI' COMMERCIAL COMPLEX, STATION ROAD, VASAI (EAST), DIST. PALGHAR (M. S.), PIN - 401 210. Tel.: (0250) - 2392392 / 2392240 / 2392241 / 2391760

E-mail ID: invochem@yahoo.co.in

Corporate Office: 1st floor, 137 Hubtown Solaris, N.S.Phadke Road, Opp. Teli Gali, Near Andheri East West Flyover Bridge, Andheri East, Mumbai - 400069 Phone: 91-22-6863 4200 / 6863 4206 / 01 / 2206 3929 E-mail: poltd@panchsheelorganics.in

DATE: 30th July 2022

To. VIVA College, Virar-(West), Palghar - 401303.

Kind Attn: - Dr.V.S.Adigal (Principal)

This is to Certify that your student of Masters in Bioanalytical Sciences Miss. Bindu Kumari Lalchandra Gupta has successfully completed training in our organization from 01.07.2022 to 30.07.2022 in the following Departments.

- Chemical Section. 1)
- 2) Instrument Analysis Section, U. V. Spectro photometry, Infrared Spectroscopy, Gas liquid, Chromatography and High performance liquid chromatography.
- Microbiology, Sterility. 3)

During the training period we found her to be sincere, hard working and regular & enthusiastic.

Thanking You, Yours truly,

For Invochem Laboratory

Mr. D. M. Tripathi (Laboratory Head)



Date: 01.08.2022

To whomsoever it may Concern

This is to certify that Ms. Dhanashri Jadav, Student of Viva College, has successfully completed her internship in the **Analytical testing and Regulatory** from **01.07.2022** TO **31.07.2022** under guidance of Dr. P.S. Rao sir.

During the period of the internship program with us, the student was trained on various testing techniques, test methods and regulatory guidelines.

We wish her every success in her life and career.

For Simson pharma limited,

Authorized signature

Annua Shad

Jainam Shah

Sr. HR Manager

Simson Pharma Ltd.



AGOG Pharma Ltd.





(WHO - GMP CERTIFIED, GOVT. RECOGNISED ONE STAR EXPORT HOUSE)

Date-01-08-2022

To whomsoever it may concern

This is to certify that mr. Gireesh sunil patil student of viva college, has successfully completed his internship in the Agog pharma ltd. from 01-07-2022 to 31-07-2022 under guidance of mr.Rajesh phanse sir.

During the period of internship program with us student was trained GMP,GLP,testing techniques We wish him every success in his life and career.

For Agog pharma ltd.

Authorized signature

GM AGOG PHARMA LTD

226, 'GAURI' COMMERCIAL COMPLEX, STATION ROAD, VASAI (EAST), DIST. PALGHAR (M. S.), PIN - 401 210. Tel.: (0250) - 2392392 / 2392240 / 2392241 / 2391760 E-mail ID : invochem@yahoo.co.in

LABORATORY FOR TESTING PHARMACEUTICALS, COSMETICS, AYURVEDIC & CHEMICALS

Corporate Office: 1st floor, 137 Hubtown Solaris, N.S.Phadke Road, Opp. Teli Gali, Near Andheri East West Flyover Bridge, Andheri East, Mumbai - 400069 Phone: 91-22-6863 4200 / 6863 4206 / 01 / 2206 3929 E-mail: poltd@panchsheelorganics.in

DATE: 30th July 2022

To, VIVA College, Virar-(West), Palghar - 401303.

Kind Attn :- Dr.V.S.Adigal (Principal)

This is to **Certify** that your student of Masters in Bioanalytical Sciences Mr Hansraj Y Nalawade has successfully completed training in our organization from 01.07.2022 to 30.07.2022 in the following Departments.

- 1) Chemical Section.
- 2) Instrument Analysis Section, U. V. Spectro photometry, Infrared Spectroscopy, Gas liquid, Chromatography and High performance liquid chromatography.
- 3) Microbiology, Sterility.

During the training period we found him to be sincere, hard working and regular & enthusiastic.

Thanking You, Yours truly,

For Invochem Laboratory

Mr. D. M. Tripathi (Laboratory Head)

Date: 14.07.2022

TO WHOM SO EVER IT MAY CONCERN

This is to certify that MS. JANHAVI HARSHAD PATIL, a student of Bhaskar Waman Thakur College of Science, Virar has undergone in-plant training of 4 weeks i.e. from 15th June 2022 to 14th July 2022 in our organization. During the training period, she has received training in Tablets, Capsules, Liquid Orals, Ointment/Cream, Quality Control, Quality Assurance and Utility Departments.

She has also acquired knowledge about machineries in the above mentioned areas.

She has shown keen interest during in-plant training and has been sincere in her work.

For Lesanto Laboratories,

r. Hemant Patil)

er - Account & Administration





226, 'GAURI' COMMERCIAL COMPLEX, STATION ROAD, VASAI (EAST), DIST. PALGHAR (M. S.), PIN - 401 210. Tel.: (0250) - 2392392 / 2392240 / 2392241 / 2391760 E-mail ID : invochem@yahoo.co.in

LABORATORY FOR TESTING PHARMACEUTICALS, COSMETICS, AYURVEDIC & CHEMICALS

Corporate Office: 1st floor, 137 Hubtown Solaris, N.S.Phadke Road, Opp. Teli Gali, Near Andheri East West Flyover Bridge, Andheri East, Mumbai - 400069 Phone: 91-22-6863 4200 / 6863 4206 / 01 / 2206 3929 E-mail: poltd@panchsheelorganics.in

DATE: 30th July 2022

To, VIVA College, Virar-(West), Palghar - 401303.

Kind Attn :- Dr.V.S.Adigal (Principal)

This is to **Certify** that your student of Masters in Bioanalytical Sciences Miss. Karishma R Mistry has successfully completed training in our organization from 01.07.2022 to 30.07.2022 in the following Departments.

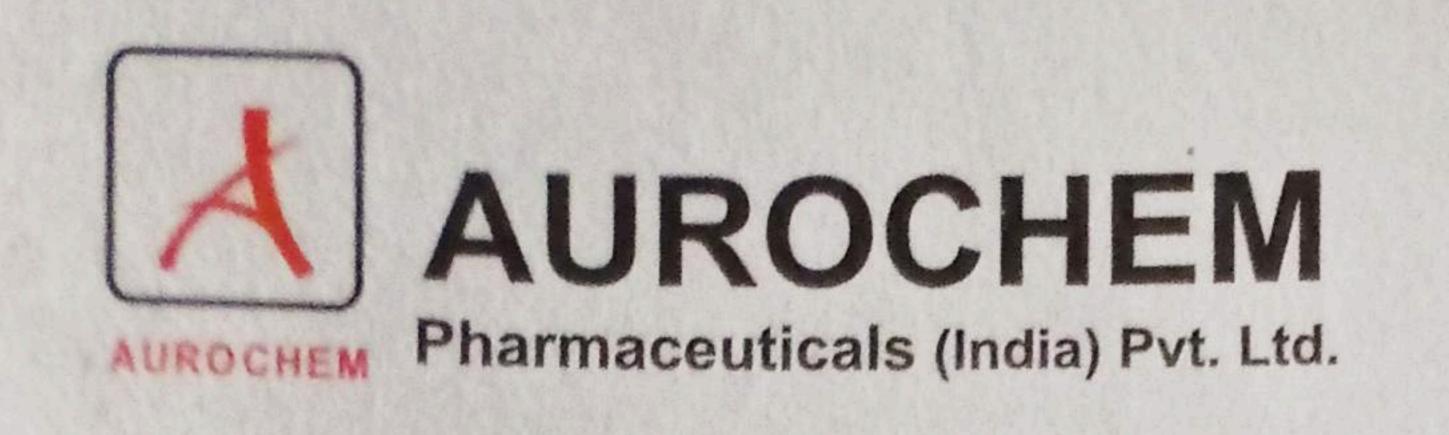
- 1) Chemical Section.
- 2) Instrument Analysis Section, U. V. Spectro photometry, Infrared Spectroscopy, Gas liquid, Chromatography and High performance liquid chromatography.
- 3) Microbiology, Sterility.

During the training period we found her to be sincere, hard working and regular & enthusiastic.

Thanking You, Yours truly,

For Invochem Laboratory

Mr. D. M. Tripathi (Laboratory Head)



334, Gundecha Industrial Complex, 3rd Floor, Akurli Road, Kandivali (East), Mumbai - 400 101. India. *Tel.: + 91 22 2885 8503 / 04 / 05 / 022-42508181

Fax: +91 222887 3236

E-Mail: info@aurochemgroup.com Website: www.aurochemlaboratories.com

www.aurochem.global CIN: U24230MH1994PTC083100

"GOVERNMENT RECOGNIZED EXPORT HOUSE"

Ref. No. API/TR/015/2022-23

3rd August 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Komal Pradip Patil, Master in Bioanalytical Science student of Viva College, Virar has successfully completed practical in plant training from 03/07/2022 to 03/08/2022 in our Production, Regulatory Affairs, Quality Assurance and Quality Control Department.

During the training period; we found her sincere enthusiastic.

We wish success in her life.

For Aurochem Pharmaceuticals (I) Pvt. Ltd

Pankaj Patel Works Manager



TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Laxmi Shukla has undergone Internship training in-Biotech Department of our Organisation based at Mumbai from 1st July, 2022 to 29th July, 2022.

Her training was found to be satisfactory.

For Ipca Laboratories Limited

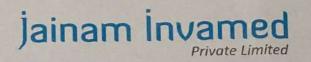
* K

Dr. Ashok Kumar President - R & D (Chemicals)

Place: Mumbai

Date : 29th July, 2022





INTERNSHIP CERTIFICATE

This is to certify that Mr.Pravin Ganesh Khambayat has completed one month internship in JAINAM INVAMED PVT.LTD From 20.06.2022 to 22.07.2022

We found him to be professional and result oriented with practical understanding of work requirement

On behalf of the company, we take this opportunity to wish him all the very best in his future career endeavors.

Thanking You
Yours faithfully,
FOR JAIN TAVA LED PVT.LTD

VASTEAST

OLZOS

AUTHOL GLO STONY

ORY

226, 'GAURI' COMMERCIAL COMPLEX, STATION ROAD,
VASAI (EAST), DIST. PALGHAR (M. S.), PIN - 401 210.
Tel.: (0250) - 2392392 / 2392240 / 2392241 / 2391760
E-mail ID : invochem@yahoo.co.in

LABORATORY FOR TESTING PHARMACEUTICALS, COSMETICS, AYURVEDIC & CHEMICALS

Corporate Office: 1st floor, 137 Hubtown Solaris, N.S. Phadke Road, Opp. Teli Gali, Near Andheri East West Flyover Bridge, Andheri East, Mumbai - 400069 Phone: 91-22-6863 4200 / 6863 4206 / 01 / 2206 3929 E-mail: poltd@panchsheelorganics.in

DATE: 30th July 2022

To, VIVA College, Virar-(West), Palghar - 401303.

Kind Attn: - Dr.V.S.Adigal (Principal)

This is to Certify that your student of Masters in Bioanalytical Sciences Miss. Shruti Ravindra Ubale has successfully completed training in our organization from 01.07.2022 to 30.07.2022 in the following Departments.

- 1) Chemical Section.
- Instrument Analysis Section, U. V. Spectro photometry, Infrared Spectroscopy, Gas liquid, Chromatography and High performance liquid chromatography.
- 3) Microbiology, Sterility.

During the training period we found her to be sincere, hard working and regular & enthusiastic.

Thanking You, Yours truly,

For Invochem Laboratory

Thisattin

Mr. D. M. Tripathi (Laboratory Head



TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Suchitra Vishwakarma has undergone Internship training in Regulatory Affairs (FRM) Department of our Organisation based at Mumbai from 11th July, 2022 to 10th August, 2022.

Her training was found to be satisfactory.

For Ipca Laboratories Limited

Mri.

Sanjay A. Jadhav Vice President - Human Resources

Place : Mumbai

Date: 18th August, 2022



Authorised Signatory.

McCoy Pharma Pvt. Ltd S-12,MIDC, Tarapur Boisar (W)401506,Maharastra Tel: 02525-645171, Email ID – <u>mccoypharma2004@gmail.com</u> Website : www.mccoypharma.com

Date: 21/07/2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that miss swati Gharat has successfully completed 24 days of training at M, McCOY pharma Pvt.LTd. From 25/06/2022 to 19/07/2022 .	/s
We wish Good luck for her future career .	
For McCoy Pharma Pvt.Ltd.	



WE UNDERTAKE.....PHARMACEUTICALS / FOOD ANALYTICAL SERVICES

C-2, Hatkesh Udyog Nagar, Mira Bhayander Road, Mira Road (E), Dist. Thane - 401 107.

Tel.: 9029774868 to 9029774877 | Website: www.beepharmo.com Email: info@beepharmo.com, beepharm@gmail.com, food@beepharmo.com

CIN: U73100MH1988PTC047818

Date: 26/07/2022

To,
Co – Ordinator
Viva College of Arts, Science & Commerce
VIVA College Road,
Virar (West),
Pin - 401 303.

Sub.: In Plant Training (R&D Lab/Q.C. Lab).

Dear Madam,

This is to certify that the following student has completed her training in our laboratory from 25/06/2022 to 26/07/2022.

Ms. Mishra Vibha Arun Kumar

During the training she gained the knowledge of Chemical, Instrumental, Microbiological and Biological tests carried out on the samples of pharmaceuticals, Water and Foods, received by us from various manufacturers and other sources.

Yours faithfully, for BEE PHARMO LABS PVT.LTD.

(Bhavesh Limbachiya)

Director

FREDUN PHARMACEUTICALS LIMITED

Compassionale Healthcare

CIN No: L24239MH1987PLC043662

Date: 02.08.2022

To. Bhaskar Waman Thakur Collage of Science, Yashvant Keshav Patil Collage of Commerce, Virar 401303

> Sub: Industrial Training for Masters in Bioanalytical Sciences during summer 2021-22

Dear Sir/Madam.

We hereby certify that Mr. Viresh Vinayak Raul has successfully completed his training period from 02nd July 2022 to 31st July 2022.

During his training period we found punctual, hardworking & sincere in assignments.

We wish him good luck in future.

Thanking You,

For FREDUN PHARMACEUTICAL LTD.

Mr. Swapnil Raul

Sr. Executive - Human Resource





A One stop solution for all your Laboratory

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Ms. AISHWARYA R. NAYYK

A student of Biotechnology from VIVA College, has successfully completed an Internship program at EOS Laboratories, Vasai - a Microbiology Consumables manufacturing facility, and was found sincere & hardworking.

Duration: From 27/06/2022

to 09/07/2022

He/She has gained experience in the following aspects-

- 1. Manufacturing of all types of ready to use media-including Lowenstein Jensen media
- 2. Formulation and Sterilization of Viral Transport Media (For COVID-19)
- 3. Performing GPT (Growth Potential Testing)
- 4. Manufacturing of Sensitivity Discs and Polydiscs
- 5. Sterility testing and microbiological testing of raw materials
- 6. Performance and Maintenance of Quality Control standards



PARAMITA



THIS CERTIFICATE IS PROUDLY PRESENTED TO

Ms. AKANSHA T. SHUKLA

A student of Biotechnology from VIVA College , has successfully completed an Internship program at EOS Laboratories, Vasai - a Microbiology Consumables manufacturing facility, and was found sincere & hardworking.

Duration: From 27/06/2022

to 09/07/2022

He/She has gained experience in the following aspects-

- 1. Manufacturing of all types of ready to use media-including Lowenstein Jensen media
- 2. Formulation and Sterilization of Viral Transport Media (For COVID-19)
- 3. Performing GPT (Growth Potential Testing)
- 4. Manufacturing of Sensitivity Discs and Polydiscs
- 5. Sterility testing and microbiological testing of raw materials
- 6. Performance and Maintenance of Quality Control standards



INTERNSHIP Certificate

A One solution all your Labora

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Ms. ANISHA L. PRADHAN

A student of Biotechnology from *VIVA College*, has successfully completed an Internship program at EOS Laboratories, Vasai - a Microbiology Consumables manufacturing facility, and was found sincere & hardworking.

Duration: From 11/04/2022

to 27/07/2022

He/She has gained experience in the following aspects-

- 1. Manufacturing of all types of ready to use media-including Lowenstein Jensen media
- 2. Formulation and Sterilization of Viral Transport Media (For COVID-19)
- 3. Performing GPT (Growth Potential Testing)
- 4. Manufacturing of Sensitivity Discs and Polydiscs
- 5. Sterility testing and microbiological testing of raw materials
- 6. Performance and Maintenance of Quality Control standards





INTERNSHIP Certificate

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Anjali Rajendra Dubey

A student of Biotechnology from *VIVA College*, has successfully completed an Internship program at EOS Laboratories, Vasai - a Microbiology Consumables manufacturing facility, and was found sincere & hardworking.

Duration: From

31/0/22

to 17/11/22

He/She has gained experience in the following aspects-

- 1. Manufacturing of all types of ready to use media-including Lowenstein Jensen media
- 2. Formulation and Sterilization of Viral Transport Media (For COVID-19)
- 3. Performing GPT (Growth Potential Testing)
- 4. Manufacturing of Sensitivity Discs and Polydiscs
- 5. Sterility testing and microbiological testing of raw materials
- 6. Performance and Maintenance of Quality Control standards



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INTERNSHIP

solution for all your

needs

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Ms. Ashwini Dring sadhna Patil

program at EOS Laboratories, Vasai - a Microbiology Consumables manufacturing facility A student of Biotechnology from VIVA College , has successfully completed an Internship

and was found sincere & hardworking.

Duration: From 14 02 2023

He/She has gained experience in the following aspects:

- 1. Manufacturing of all types of ready to use media-including Lowenstein Jensen media
- 2. Formulation and Sterilization of Viral Transport Media (For COVID-19)
- 3. Performing GPT (Growth Potential Testing)
- 4. Manufacturing of Sensitivity Discs and Polydiscs
- 5. Sterility testing and microbiological testing of raw materials
- 6. Performance and Maintenance of Quality Control standards



INTERNSHIP

certificate

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Mo. Twinkle If Gupta

A student of Biotechnology from VIVA College, has successfully completed an Internship program at EOS Laboratories, Vasai - a Microbiology Consumables manufacturing facility, and was found sincere & hardworking.

Duration: From 20 07/2022

to 03 08 2022

He/She has gained experience in the following aspects-

- 1. Manufacturing of all types of ready to use media-including Lowenstein Jensen media
- 2. Formulation and Sterilization of Viral Transport Media (For COVID-19)
- 3. Performing GPT (Growth Potential Testing)
- 4. Manufacturing of Sensitivity Discs and Polydiscs
- 5. Sterility testing and microbiological testing of raw materials
- 6. Performance and Maintenance of Quality Control standards







THIS CERTIFICATE IS PROUDLY PRESENTED TO

Ms. SAMIDHA P. JADHAS

A student of Biotechnology from VIVA College , has successfully completed an Internship program at EOS Laboratories, Vasai - a Microbiology Consumables manufacturing facility , and was found sincere & hardworking.

Duration: From 04/08/2022 to 23/08/2022

He/She has gained experience in the following aspects-

- 1. Manufacturing of all types of ready to use media-including Lowenstein Jensen media
 - 2. Formulation and Sterilization of Viral Transport Media (For COVID-19)
 - 3. Performing GPT (Growth Potential Testing)
- 4. Manufacturing of Sensitivity Discs and Polydiscs
- 5. Sterility testing and microbiological testing of raw materials
- 6. Performance and Maintenance of Quality Control standards





THIS CERTIFICATE IS PROUDLY PRESENTED TO

Ms. SAMIDHA P. JADHAS

A student of Biotechnology from VIVA College , has successfully completed an Internship program at EOS Laboratories, Vasai - a Microbiology Consumables manufacturing facility , and was found sincere & hardworking.

Duration: From 04/08/2022 to 23/08/2022

He/She has gained experience in the following aspects-

- 1. Manufacturing of all types of ready to use media-including Lowenstein Jensen media
 - 2. Formulation and Sterilization of Viral Transport Media (For COVID-19)
 - 3. Performing GPT (Growth Potential Testing)
- 4. Manufacturing of Sensitivity Discs and Polydiscs
- 5. Sterility testing and microbiological testing of raw materials
- 6. Performance and Maintenance of Quality Control standards



CONTERNSHIP

LABORATORIES

A One stop solution for

all your Labora needs

THIS CERTIFICATE IS PROUDLY PRESENTED TO

DEVESH A. MACHHI

and was found sincere & hardworking. program at EOS Laboratories, Vasai - a Microbiology Consumables manufacturing facility , A student of Biotechnology from VIVA College , has successfully completed an Internship

Duration: From 11/07/2022

to 23/07/2022

He/She has gained experience in the following aspects-

- 1. Manufacturing of all types of ready to use media-including Lowenstein Jensen media
- 2. Formulation and Sterilization of Viral Transport Media (For COVID-19)
- 3. Performing GPT (Growth Potential Testing)
- 4. Manufacturing of Sensitivity Discs and Polydiscs
- 5. Sterility testing and microbiological testing of raw materials
- 6. Performance and Maintenance of Quality Control standards





solution for all your needs

THIS CERTIFICATE IS PROUDLY PRESENTED TO

SAGAR S. LHIVRE

and was found sincere & hardworking. program at EOS Laboratories, Vasai - a Microbiology Consumables manufacturing facility , A student of Biotechnology from VIVA College , has successfully completed an Internship

Duration: From 10/06/2022

to 25/06/2022

He/She has gained experience in the following aspects

- 1. Manufacturing of all types of ready to use media-including Lowenstein Jensen media
- 2. Formulation and Sterilization of Viral Transport Media (For COVID-19)
- 3. Performing GPT (Growth Potential Testing)
- 4. Manufacturing of Sensitivity Discs and Polydiscs
- 5. Sterility testing and microbiological testing of raw materials
- 6. Performance and Maintenance of Quality Control standards



PARAMITA

CONTERNSHIP CONTERNSHIP

THIS CERTIFICATE IS PROUDLY PRESENTED TO

LE. LNKIT V. TALEKAR

and was found sincere & hardworking. program at EOS Laboratories, Vasai - a Microbiology Consumables manufacturing facility , A student of Biotechnology from VIVA College , has successfully completed an Internship

Duration: From 2#06/2022

TO 09/07/2023

He/She has gained experience in the following aspects-

1. Manufacturing of all types of ready to use media-including Lowenstein Jensen media

2. Formulation and Sterilization of Viral Transport Media (For COVID-19)

3. Performing GPT (Growth Potential Testing)

4. Manufacturing of Sensitivity Discs and Polydiscs

5. Sterility testing and microbiological testing of raw materials

6. Performance and Maintenance of Quality Control standards



PARAMITA



CETTERNSHIP CATERNSHIP

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Dry D. K.

and was found sincere & hardworking. program at EOS Laboratories, Vasai - a Microbiology Consumables manufacturing facility , A student of Biotechnology from VIVA College , has successfully completed an Internship

בב סב/06/10 Prom וס/06/20

to 25/06/2022

He/She has gained experience in the following aspects-

- 1. Manufacturing of all types of ready to use media-including Lowenstein Jensen media
- Formulation and Sterilization of Viral Transport Media (For COVID-19)
- Performing CPT (Growth Potential Testing)
- 4. Manufacturing of Sensitivity Discs and Polydiscs
- Sterility testing and microbiological testing of raw materials
- 6. Performance and Maintenance of Quality Control standards



INTERNSHIP

LABORATORII

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Ms. TRIVE N. BHATKAR

and was found sincere & hardworking. program at EOS Laboratories, Vasai - a Microbiology Consumables manufacturing facility , A student of Biotechnology from VIVA College , has successfully completed an Internship

Duration: From 10/06/2022

to 25/06/2022

He/She has gained experience in the following aspects-

1. Manufacturing of all types of ready to use media-including Lowenstein Jensen media

2. Formulation and Sterilization of Viral Transport Media (For COVID-19)

- 3. Performing GPT (Growth Potential Testing)
- 4. Manufacturing of Sensitivity Discs and Polydiscs
- 5. Sterility testing and microbiological testing of raw materials
- 6. Performance and Maintenance of Quality Control standards



PARAMITA

NTERNSHIP

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Makesh Humray Rathod

and was found sincere & hardworking. program at EOS Laboratories, Vasai - a Microbiology Consumables manufacturing facility, A student of Biotechnology from VIVA College , has successfully completed an Internship

He/She has gained experience in the following aspects Duration: From 14 / 02 / 2023 1. Manufacturing of all types of ready to use media-including Lowenstein Jensen media

to 06/03/2023

3. Performing GPT (Growth Potential Testing) Formulation and Sterilization of Viral Transport Media (For COVID-19)

4. Manufacturing of Sensitivity Discs and Polydiscs

6. Performance and Maintenance of Quality Control standards 5. Sterility testing and microbiological testing of raw materials



ARAMITA



INTERNSHIP



solution for all your Laboratory

certificate

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Ms. SHREYASI S. SHIRISKAR

A student of Biotechnology from VIVA College, has successfully completed an Internship program at EOS Laboratories, Vasai - a Microbiology Consumables manufacturing facility, and was found sincere & hardworking.

Duration: From 05/08/2022 to 23/08/2022

He/She has gained experience in the following aspects-

- 1. Manufacturing of all types of ready to use media-including Lowenstein Jensen media
- 2. Formulation and Sterilization of Viral Transport Media (For COVID-19)
- 3. Performing GPT (Growth Potential Testing)
- 4. Manufacturing of Sensitivity Discs and Polydiscs
- 5. Sterility testing and microbiological testing of raw materials
- 6. Performance and Maintenance of Quality Control standards





INTERNSHIP



THIS CERTIFICATE IS PROUDLY PRESENTED TO

Minakshi Jaiprakash Yadav

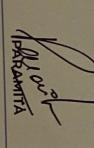
and was found sincere & hardworking. program at EOS Laboratories, Vasai - a Microbiology Consumables manufacturing facility A student of Biotechnology from VIVA College , has successfully completed and internship

Duration: From 14 02 2023

He/She has gained experience in the following aspects-

- 1. Manufacturing of all types of ready to use media-including Lowenstein Jensen media
- 2. Formulation and Sterilization of Viral Transport Media (For COVID-19)
- 3. Performing GPT (Growth Potential Testing)
- 4. Manufacturing of Sensitivity Discs and Polydiscs
- 5. Sterility testing and microbiological testing of raw materials
- 6. Performance and Maintenance of Quality Control standards





certificate certificate

BORATORIES 9892637032 Inlabellyariao cam Laborate needs

THIS CERTIFICATE IS PROUDLY PRESENTED TO

THUTUJA PRODEEP TIWARI

A student of Biotechnology from *VIVA College*, has successfully completed an Internship program at EOS Laboratories, Vasai - a Microbiology Consumables manufacturing facility, and was found sincere & hardworking.

Duration: From 05/11/2022

to 22/11/2022

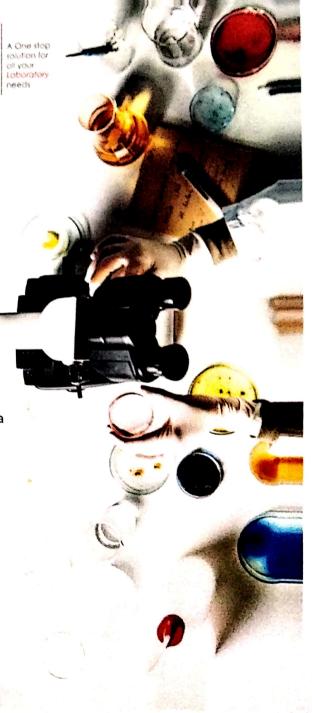
He/She has gained experience in the following aspects-

- 1. Manufacturing of all types of ready to use media-including Lowenstein Jensen media
- 2. Formulation and Sterilization of Viral Transport Media (For COVID-19)
- 3. Performing GPT (Growth Potential Testing)
- 4. Manufacturing of Sensitivity Discs and Polydiscs
- 5. Sterility testing and microbiological testing of raw materials
- 6. Performance and Maintenance of Quality Control standards



PARAMITA

GENERAL MANAGER



INTERNSHIP



certificate

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Ms. Ririka V. VARMA

A student of Biotechnology from VIVA College, has successfully completed an Internship program at EOS Laboratories, Vasai - a Microbiology Consumables manufacturing facility, and was found sincere & hardworking.

Duration: From 04/08/2022 to 23/08/2022

He/She has gained experience in the following aspects-

- 1. Manufacturing of all types of ready to use media-including Lowenstein Jensen media
- 2. Formulation and Sterilization of Viral Transport Media (For COVID-19)
- 3. Performing GPT (Growth Potential Testing)
- 4. Manufacturing of Sensitivity Discs and Polydiscs
- 5. Sterility testing and microbiological testing of raw materials
- 6. Performance and Maintenance of Quality Control standards



GENERAL MANAGER



NTERNSHIP



THIS CERTIFICATE IS PROUDLY PRESENTED TO

Ms. Ritu Rum Jundra Gupta

and was found sincere & hardworking. program at EOS Laboratories, Vasai - a Microbiology Consumables manufacturing facility A student of Biotechnology from VIVA College , has successfully completed an Internship

Duration: From 14/02/2013

to 06/03/2023

He/She has gained experience in the following aspects-

- 1. Manufacturing of all types of ready to use media-including Lowenstein Jensen media
- 2. Formulation and Sterilization of Viral Transport Media (For COVID-19)
- 3. Performing GPT (Growth Potential Testing)
- 4. Manufacturing of Sensitivity Discs and Polydiscs
- 5. Sterility testing and microbiological testing of raw materials
- 6. Performance and Maintenance of Quality Control standards



GENERAL MANAGER



GENERAL MANAGER

Internship Report

Ву

Mr. Ankur Santosh Dubey

"INTERN AS A PHP DEVELOPER AT GENETIC MINDS LLP"

GUIDED BY

PROF. SHWETA YANDE

M.Sc. (COMPUTER SCIENCE) PART- II

YEAR-2022-23

Internship Certificate

This is to certify that Mr. ANKUR SANTOSH DUBEY of VIVA COLLEGE Institution worked as an intern as part of her M.Sc. Course in Computer Science of University of Mumbai. The Particulars of internship are given below:

Internship Starting Date: 1ST MARCH 2023

Internship Ending Date: 19th May 2023

Actual Number of Days Worked: 57

Tentative Number of Hours Worked: 456 Hrs.

Broad Area of Work: PHP and PostgreSQL.

A small description of work done by the intern during the period :

Assisted in the development of database schema, SQL queries, and API endpoints for efficient data retrieval and manipulation. Conducted comprehensive testing and validation of projects, ensuring their functionality, stability, and adherence to project requirements. Presented project results to stakeholders, effectively communicating findings and demonstrating the impact of data-driven solutions.

Signature :

Name: Vivek Kumar

Designation: Chief Product Officer

Contact Number: 8826328140 Email: we@geneticminds.com

Stamp and Signature of Organization Head:

Professional Evaluation of Intern

No.	Particular	Excellent	Very Good	Good	Moderate	Satisfactory
1.	Attendance & Functionality					
2.	Ability to work in a Team					
3.	Written and oral communication skills					
4.	Problem solving skills					
5.	Ability to grasp new concepts					
6.	Technical skill in terms of technology, programming					
7.	Ability to complete the task					
8.	Quality of overall work done					

Comments: Ankur S Dubey's internship showcased exceptional skills in Backend development and Database, contributing significantly to project success and demonstrating a strong commitment to continuous learning and Growth.

Signature:

Name: Vivek Kumar

Designation: Chief Product Officer Contact Number: 8826328140 Email: we@geneticminds.com

Stamp and Signature of Organization Head

Title: INTERN AS A PHP DEVELOPER BEARING MART

Introduction: This internship report provides a comprehensive overview of the internship experience of Ankur Santosh Dubey as a PHP Developer at Genetic Minds LLP. The report covers the period from 1st March 2023 to 19th May 2023. The report includes a description of the organization, details about the activities undertaken during the internship, a summary of the tasks completed, and a self-assessment of the intern's learning outcomes

Description of the Organization: Genetic Minds LLP is a renowned organization in the field of Software development. Genetic Minds team has years of experience developing multiple platforms for diversified domains such as E-Commerce, Finance, E-Learning, etc. It also provides multiple services such as Consulting, Customized software.

Description of the Activities: During the internship at Genetic Minds LPP, Ankur Santosh Dubey worked as a PHP Developer. The internship was divided into twelve weeks, with the first week being a training period and the subsequent weeks involving practical work as an intern. The activities included working on real-world projects, collaborating with the team, and applying PHP programming and Database qu to solve problems and extract insights from data.

Description of Work allocated & Tasks Completed:

The following table provides a week-by-week overview of the tasks completed by Ankur Santosh Dubey during the internship:

Week 1-2: Training Period

- Gained an understanding of PHP programming concepts and Postgresql and MySql techniques.
- Completed exercises and assignments to reinforce learning.

Week 3: Project Discussion

- Engaged in project discussions with the team to understand project requirements.
- Successfully rewed and understand the working of the codes.
- Performed exploratory data analysis to gain insights and identify patterns.

Week 4-5: Model Development and Deployment

- Developed machine learning models for the assigned projects.
- Deployed the models for real-time predictions.
- Participated in client meetings to provide project updates.

Week 6: Optimization and Testing

- Optimized the existing models for better performance.
- Conducted integration testing with other modules to ensure seamless functioning.

Created data visualizations to present insights effectively.

Week 7: Database and API Development

- Designed and implemented the database schema for the projects.
- Developed SQL queries for data retrieval and manipulation.
- Worked on the development of RESTFUL APIs and integrated them with front-end components.

Week 8-9: Project Enhancements and Bug Fixing

- Worked on adding new features and functionalities to the projects.
- Conducted bug fixing and testing to ensure the projects' stability.
- Collaborated with the team on project presentations and documentation.

Week 10: Final Testing and Validation

- Conducted final testing and validation for all projects.
- Presented the final project results to the team and stakeholders.
- Participated in project wrap-up activities and collaborated on closing tasks.

Week 11-12: Project Wrap-Up and Conclusion

- Collaborated with the team on the final wrap-up of the projects.
- Reflect on the overall internship experience and lessons learned.
- Prepared the internship report and self-assessment.

Self-Assessment of Learning Outcomes:

During the internship, Ankur Santosh Dubey demonstrated continuous learning and growth in various areas. The self-assessment includes:

Proficiency in PHP programming and its application in real-world projects .Solid understanding of relational and non-relation Database queries and their practical implementation .Experience in working , optimization, and deployment . Improved skills in code cleaning, pre-processing , and exploratory data analysis . Enhanced knowledge of database design, SQL queries, and API development . Ability to collaborate effectively within a team and present project results. Overall, the internship provided valuable hands-on experience and an opportunity to apply theoretical knowledge to practical projects, contributing to the professional growth of Ankur Santosh Dubey .

Conclusion: The internship at Genetic Minds LLP as a Backend Developer proved to be a rewarding experience for Ankur Santosh Dubey. It allowed him to work on real-world projects, enhance technical skills, collaborate with a professional team, and gain insights into the field of Backend development. The internship provided valuable learning outcomes and prepared Ankur's for future endeavours in the tech industry.

Stamp and Signature of Organization Head

Internship Report

Ву

Mr. Rohit Chandrashekhar Devadiga
"INTERN AS A BACKEND DEVELOPER"
GUIDED BY

PROF. ANUJA PATIL

M.Sc. (COMPUTER SCIENCE) PART- II
YEAR-2022-23

Internship Certificate

This is to certify that Mr. ROHIT CHANDRASHEKHAR DEVADIGA of VIVA COLLEGE Institution worked as an intern as part of her M.Sc. Course in Computer Science of University of Mumbai. The Particulars of internship are given below:

Internship Starting Date: 20th February 2023

Internship Ending Date: 12th May 2023

Actual Number of Days Worked: 55

Tentative Number of Hours Worked: 440

Broad Area of Work: Golang and Postgres

A small description of work done by the intern during the period:

Designed and developed RESTful APIs using Golang. Integrated the backend with the PostgreSQL database by writing efficient and optimized SQL queries. Implemented caching mechanisms using Redis to improve performance and reduce database load. Collaborated with the frontend team to define and implement API endpoints and data models. Conducted thorough testing, debugging, and troubleshooting to ensure the reliability and stability of the backend system. Optimizing the backend code and database queries for scalability and performance.

Signature:

Name: Vivek Kumar

Designation: Chief Product Officer

Contact Number: 8826328140

Email: we@geneticminds.com

Stamp and Signature of Organization Head:

Professional Evaluation of Intern

No.	Particular	Excellent	Very Good	Good	Moderate	Satisfactory
1.	Attendance & Functionality					
2.	Ability to work in a Team					
3.	Written and oral communication skills					
4.	Problem solving skills					
5.	Ability to grasp new concepts					
6.	Technical skill in terms of technology, programming					
7.	Ability to complete the task					
8.	Quality of overall work done					

Comments: Rohit Devadiga's internship showcased exceptional skills in Backend development, contributing significantly to project success and demonstrating a strong commitment to continuous learning and Growth.

Signature:

Name: Vivek Kumar

Designation: Chief Product Officer

Contact Number: 8826328140

Email: we@genticminds.com

Stamp and Signature of Organization Head

Internship letter of Rohit Devadiga

Title: Intern as Backend Developer

Introduction: This internship report provides a comprehensive overview of the internship experience of Rohit Devadiga as a Backend Developer at Genetic Minds. The report covers the period from 20th February 2023 to 12th May 2023. The report includes a description of the organization, details about the activities undertaken during the internship, a summary of the tasks completed, and a self-assessment of the intern's learning outcomes.

Description of the Organization: Genetic Minds LLP is a renowned organization in the field of Software development. Genetic Minds team has years of experience developing multiple platforms for diversified domains such as E-Commerce, Finance, E-Learning, etc. It also provides multiple services such as Consulting, Customized software.

Description of the Activities: During the internship at Genetic Minds LLP, Rohit Devadiga worked as a Backend Developer. The internship was divided into twelve weeks, with the first week being a KT period and the subsequent weeks involving practical work as an intern. The activities included working on real-world projects, collaborating with the team, and applying Golang and Database skills to solve problems and extract insights from data.

Description of Work allocated & Tasks Completed:

The following table provides a week-by-week overview of the tasks completed by Rohit Devadiga during the internship:

Week 1-2: Training Period

- Gained an understanding of Golang web framework and AWS services.
- Completed exercises and assignments to reinforce learning.

Week 3: Project Discussion and Implementation

- Engaged in project discussions with the team to understand project requirements.
- Created POST endpoint to create a New User Handler.
- Learned and implemented AWS services and Advanced queries in Postgres.

Week 4: Database and AWS Deployment

- Successfully implemented endpoints and executed them using Postman.
- Learned more about Redis and S3 services.
- Learned more about Postgres and written advanced gueries in it.

Week 5: GO Echo and AWS services

- Learned about the Echo framework's Group and Match endpoints in Golang and implemented it.
- Created a PUT endpoint to update the User's data.

Learned and implemented file deletion in AWS S3.

Week 6: AWS EC2 and API Development

- Implemented a Delete endpoint to delete User's data.
- Learned and Implemented Middleware in Echo framework.
- Set up an EC2 instance and deployed the application.

Week 7-8: Project Enhancements and Bug Fixing

- Learned about file sharing in AWS S3 and successfully implemented it.
- Created a GET Endpoint to fetch User's details by User ID.
- Learned about Redis Cache and implemented it in code.

Week 9-10: Project Enhancements and Creating new Handlers.

- Implemented a POST endpoint to create a new user data.
- Implemented a POST endpoint to create a session in
- Participated in project wrap-up activities and collaborated on closing tasks.

Week 11-12: Project Wrap-Up and Conclusion

- Collaborated with the team on the final wrap-up of the projects.
- Reflect on the overall internship experience and lessons learned.
- Prepared the internship report and self-assessment.

Self-Assessment of Learning Outcomes:

During the internship, Rohit Devadiga demonstrated continuous learning and growth in various areas.

The self-assessment includes:

Proficiency in Golang programming and its application in real-world projects. Solid understanding of Golang and Databases techniques and their practical implementation. Experience in working with AWS services and multiple packages Golang. Improved skills Database schema creation and setting up AWS EC2 instances .Enhanced knowledge of database design, SQL queries, and API development. Ability to collaborate effectively within a team and present project results. Overall, the internship provided valuable hands-on experience and an opportunity to apply theoretical knowledge to practical projects, contributing to the professional growth of Rohit Devadiga as a Backend Developer.

Conclusion: The internship at Genetic Minds LLP Backend Developer proved to be a rewarding experience for Rohit Devadiga. It allowed him to work on real-world projects, enhance technical skills, collaborate with a professional team, and gain insights into the field of Backend Development. The internship provided valuable learning outcomes and prepared Rohit for future endeavours in the tech industry.

Stamp and Signature of Organization Head

INTERNSHIP REPORT

Ву

Mr. Rahul Ravindra Deshpande

"INTERN AS A SOFTWARE DEVELOPER AT MINDSCALE SOLUTION LLP"

GUIDED BY

PROF. ANUJA PATIL

M.Sc. (COMPUTER SCIENCE) PART-II

YEAR-2022-23

Internship Certificate

This is to certify that Mr. Rahul R. Deshpande of VIVA COLLEGE Institution worked as an intern as part of her M.Sc. Course in Computer Science of University of Mumbai. The Particulars of internship are given below:

Internship Starting Date: 20th February 2023

Internship Ending Date: 05th May 2023

Actual Number of Days Worked: Almost All days

Tentative Number of Hours Worked:

Broad Area of Work: C# AND MySQL

A small description of work done by the intern during the period :

Collaborating with a development team, work closely with experienced developers, collaborating on software projects. contribute to coding discussions, attend team meetings, and actively participate in code reviews and feedback sessions. Implementing features and functionalities: involved in coding tasks, implementing specific features or functionalities of a software application. designing and developing user interfaces, implementing business logic, or integrating external APIs.

Signature:

Name: HRITIK KANOJIYA

Designation: TECHNICAL LEAD

Contact Number: 7506211129

Email: hritikkanojiya13@gmail.com

Stamp and Signature of Organization Head:

Professional Evaluation of Intern

No.	Particular	Excellent	Very Good	Good	Moderate	Satisfactory
1.	Attendance & Functionality					
2.	Ability to work in a Team					
3.	Written and oral communication skills					
4.	Problem solving skills					
5.	Ability to grasp new concepts					
6.	Technical skill in terms of technology, programming					
7.	Ability to complete the task					
8.	Quality of overall work done					

Comments: Rahul R. Deshpande internship showcased exceptional skills in C# and MySQL, contributing significantly to project success and demonstrating a strong commitment to continuous learning and Growth.

Signature:

Name: HRITIK KANOJIYA

Designation: TECHNICAL LEAD

Contact Number: 7506211129

Email: hritikkanojiya13@gmail.com

Stamp and Signature of Organization Head:

Will thingses



Internship letter of Rahul R. Deshpande

Introduction: This report presents an overview of internship experience working at MINDSCALE SOLUTION LLP. During this period, gained practical knowledge and hands-on experience in developing software applications that utilize C# programming language and MySQL database management system. The report includes a description of the organization, details about the activities undertaken during the internship, a summary of the tasks completed, and a self-assessment of the intern's learning outcomes.

Description of the Organization: MINDSCALE SOLUTION LLP is a renowned organization in the field of coding and programming education. It offers various courses and training programs to help individuals develop their coding skills and pursue a career in the tech industry. The organization focuses on providing hands-on experience and practical knowledge to students and professionals.

Description of the Activities: During the internship, Rahul R. Deshpande worked as a The internship was divided into ten weeks, with the first week being a training period and the subsequent weeks involving practical work as an intern. Learn about the software development life cycle and best practices in coding and database management.

Description of Work allocated & Tasks Completed:

The following table provides a week-by-week overview of the tasks completed by Rahul R. Deshpande during the internship:

Week 1: Training Period

- Completed a understanding of MySQL and C#
- Completed all assignment and given task

Week 2: Project Discussion

- > Integrated external API for real time updates
- Implemented a user authentication

Week 3 front-end and analysis feature

- Worked on data analysis feature
- Resolved a error

Week 4: front end implementation

- Integrated back-end functionalities to front-end.
- Conducted integration testing with other modules to ensure seamless functioning.

Week 5: Database and API Development

- Designed and implemented the database schema for the projects.
- Worked on the development of Flask API s and integrated them with front-end components.

Week 6: Project Enhancements and Bug Fixing

- Worked on adding new features and functionalities to the projects...
- Collaborated with the team on project presentations and documentation.

Week 7: Final Testing and Validation

- Conducted final testing and validation for all projects.
- Presented the final project results to the team and stakeholders.

Week 8: Project Bug fixing and Conclusion

- > Developed SQL queries for data retrieval and manipulation.
- Conducted bug fixing and testing to ensure the projects' stability

Week 9: Project Enhancement

- Conducted thorough testing of the CRUD application to ensure functionality and reliability.
- Debugged the code to identify and fix any errors or issues.

Week 10: Project Wrap-Up and Conclusion

- Conducted bug fixing and testing to ensure the projects' stability
- Collaborated with the team on the final wrap-up of the projects.
- Prepared the internship report and self-assessment

Self-Assessment of Learning Outcomes:

During the internship, Rahul R. Deshpande demonstrated continuous learning and growth in various areas.

The self-assessment includes: understand the principles of OOP and can use them effectively in C#. create and use classes, objects, inheritance, polymorphism, and encapsulation. Proficient in handling exceptions in C#.catch and handle different types of exceptions and implement appropriate error handling strategies. Comfortable working with files in C#.read from and write to files, perform input/output operations, and manipulate file streams.developing desktop applications using Windows Forms or WPF. design user interfaces, handle events, and create interactive applications.understand the concepts of database design and normalization.create appropriate table structures, define relationships, and establish constraints.create indexes, analyze query execution plans, and improve query performance.Ability to collaborate effectively within a team and present project results. Overall, the internship provided valuable hands-on experience and an opportunity to apply theoretical knowledge to practical projects, contributing to the professional growth.

Conclusion: The internship proved to be a rewarding experience for Rahul R. Deshpande. It allowed him to work on real-world projects, enhance technical skills, collaborate with a professional team, and gain insights into the field of development. The internship provided valuable learning outcomes and prepared Rahul for future in the tech industry.

Stamp and Signature of Organization Head



Wir kingses

Internship Report

By

Mr.Himanshu Dinesh Vishwakarma

"INTERN AS REACT FULL STACK DEVELOPER AT FingerTips System" $\,$

GUIDED BY

PROF. Prajakta Hatkar

M.Sc. (COMPUTER SCIENCE) PART- II

YEAR-2022-23

Internship Certificate

This is to certify that Mr. HIMANSHU DINESH VISHWAKARMA of VIVA

COLLEGE Institution worked as an intern as part of her M.Sc. Course in Computer Science of

University of Mumbai.

The Particulars of internship are given below:

Internship Starting Date: 27th February 2023

Internship Ending Date: 19th May 2023

Actual Number of Days Worked: 56

Tentative Number of Hours Worked: 486

Broad Area of Work: Mern Stack

A small description of work done by the intern during the period:

During their internship as a React developer, the intern demonstrated a strong grasp of modern web development principles and actively contributed to the team's projects. They effectively collaborated with senior developers to implement new features and improve existing functionalities.

The intern showed proficiency in JavaScript and React, employing best practices to build responsive and interactive user interfaces. They successfully integrated APIs and external services into the applications, enhancing their functionality and usability.

Throughout their internship, the intern exhibited excellent problem-solving skills and a proactive attitude towards learning. They actively sought feedback and applied it to iterate and improve their codebase. Their attention to detail and commitment to writing clean, maintainable code resulted in the delivery of high-quality software.

Signature:

Name :Yash Prajapati

Designation: Technical Lead Contact Number: 7710087750 Email: yashp200@gmail.com

Stamp and Signature of Organization Head:



Professional Evaluation of Intern

No.	Particular	Excellent	Very Good	Good	Moderate	Satisfactory
1.	Attandance & Functionality					
2.	Ability to work in a Team					
3.	Written and oral communication skills					
4.	Problem solving skills					
5.	Ability to grasp new concepts					
6.	Technical skill in terms of technology, programming					
7.	Ability to complete the task					
8.	Quality of overall work done					

Comments: Himanshu Dinesh Vishwakarma showcased exceptional skills in React development and contributing significantly to project success and demonstrating a strong commitment to continuous learning and Growth.

Signature:

Name: Yash Prajapati

Designation: Technical Lead Contact Number: 7710087750 Email: yashp200@gmail.com

Stamp and Signature of Organization Head:



Internship letter of Himanshu Dinesh Vishwakarma

Title: Intern as React full stack developer

Introduction: This internship report provides a comprehensive overview of the internship experience of Himanshu Dinesh Vishwakarma at FingerTips System. The report covers the period from 27th February 2023 to 19th May 2023. The report includes a description of the organization, details about the activities undertaken during the internship, a summary of the tasks completed, and a self-assessment of the intern's learning outcomes.

Description of the Organization: FingerTips System is a renowned organization in the field of coding and programming education. It offers various courses and training programs to help individuals develop their coding skills and pursue a career in the tech industry. The organization focuses on providing hands-on experience and practical knowledge to students and professionals.

Description of the Activities: During the internship at FingerTips System, Himanshu Dinesh Vishwakarma worked as a React full stack developer The internship was divided into 12 weeks, with the first week being a training period and the subsequent weeks involving practical work as an intern. The activities included working on real-world projects, collaborating with the team

Description of Work allocated & Tasks Completed:

The following table provides a week-by-week overview of the tasks completed by Himanshu Dinesh Vishwakarma during the internship:

Week 1: Training Period

- Gained an understanding techniques of react node and mongo dB
- Completed exercises and assignments.

Week 2: Project Discussion

- Configured database connectivity
- Developed responsive layout navigation
- Performed unit testing and resolved reported issue

Week 3: Model Development and Deployment

- Design and implemented data visualization components
- Developed restful Api for data retrieval and manipulation
- Fixes bugs issue

Week 4: Optimization and Testing

- Implemented login and user registration functionality
- Integrated backend API with user interface

Conducted integration testing and resolves reported issue

Week 5: Database and upload functionalities

- Designed and implemented user profile page
- Implemented upload functionalities
- Implemented file upload with backend Api.

Week 6: Project search functionality and Bug Fixing

- Implemented search functionality
- Develop search API for data retrieval
- Integrated search with user interface

Week 7: Project api and data filtering functionality

- Implementation data filtering and sorting features.
- Developed Api end points for data filtering and sorting.
- Integrating filtering and sorting with user interface.

Week 8: Project designing and retrieval features

- Designed and implemented dashboard layout
- Develop Api for dashboard data retreival.
- Conducted dashboard functionalities testing and resolved reported issue

Week 9:User setting and with backend functionality

- Developed Api for managing user setting
- Integrated user setting with backend functionality
- Implemented data validation for user preferences

Week 10: Notification features and user interface

- Design and implemented notification features
- Develop Api for managing notification
- Integrated notification with user interface
- Conducted testing and resolves issue

Week 11: Dashboard chart implementation

- Implemented data visualization for analytics components
- Integrated analytics with user interface
- Bugs and error fixes related to component

Week 12: Testing and bugs fixes

- Conducted data export testing and resolved reported issue
- Developed Api for exporting data in various formats
- Integrating data export with user interface

Self-Assessment of Learning Outcomes:

During the internship, Himanshu Dinesh Vishwakarma demonstrated continuous learning and growth in various areas. The self-assessment includes:

Proficiency in React development and its application in real-world projects. Solid understanding of javascript and React techniques and their practical implementation. Experience in working with in website development and deployment. Improved skills in React Hook. Enhanced knowledge of mongodb and API development. Ability to collaborate effectively within a team and present project results. Overall, the internship provided valuable hands-on experience and an opportunity to apply theoretical knowledge to practical projects, contributing to the professional growth of Himanshu Dinesh Vishwakarma as a React full stack developer

Conclusion: The internship at FingerTips System as a Mern Stack developer aproved to be a rewarding experience for Himanshu Dinesh Vishwakarma . It allowed him to work on real-world projects, enhance technical skills, collaborate with a professional team, and gain insights into the field of frontend and Backend development. The internship provided valuable learning outcomes and prepared Himanshu for future endeavors in the tech industry.

Stamp and Signature of Organization Head



Joseph Jorgan

Vishnu Waman Thakur Charitable Trust's Bhaskar Waman Thakur College of Science, Yashvant Keshav Patil College of Commerce, Vidhya Dayanand Patil College of Arts. Virar (W)-MAHARASHTRA-401303 (Affiliated to University of Mumbai)



CERTIFICATE

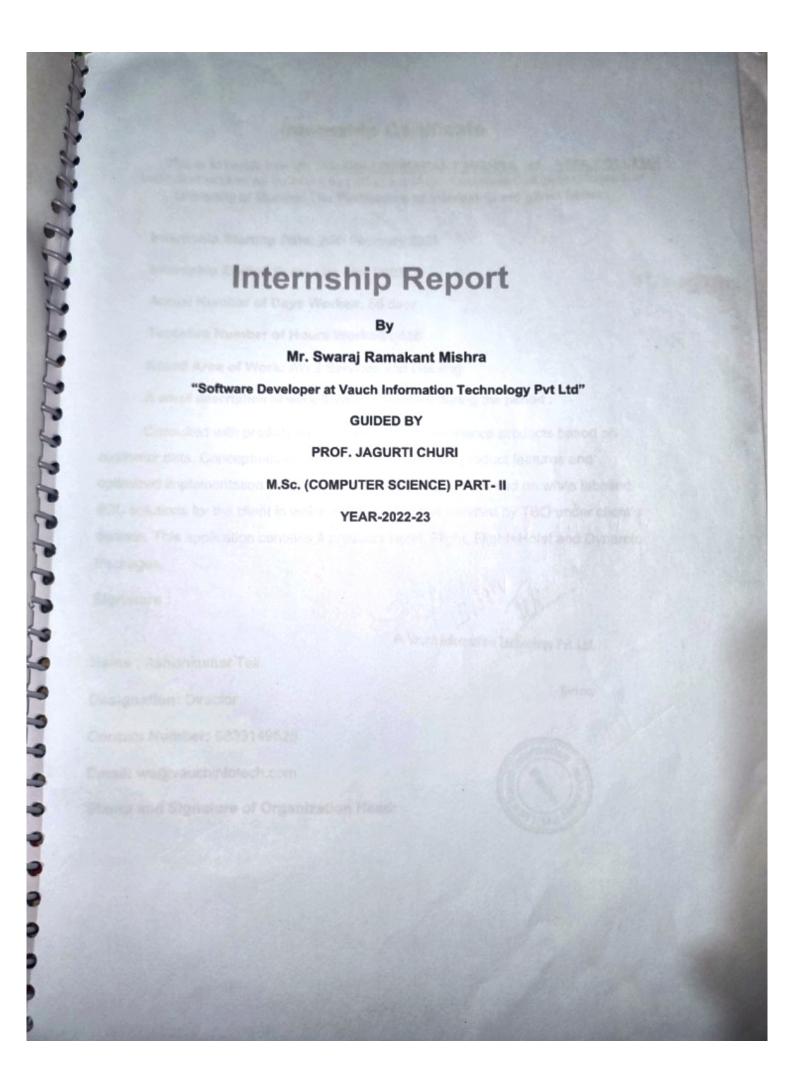
Roll No:		Exam Seat No.: 4142405		
This is to certify that	Swaren	Ranakont T	risha	

of MSCCS Purt TI Class has Satisfactorily Completed Internship in Vouch Information Technology Pvt LTd as Prescribed by the University of Mumbai for the Year 20 22 to 20 22.

Internship-Guide

Examiner

Head of Department



Internship Certificate

This is to certify that Mr. SWARAJ RAMAKANT MISHRA of VIVA COLLEGE Institution worked as an intern as part of his M.Sc. Course in Computer Science of University of Mumbai. The Particulars of internship are given below:

Internship Starting Date: 20th February 2023

Internship Ending Date: 12th May 2023

Actual Number of Days Worked: 56 days

Tentative Number of Hours Worked: 448

Broad Area of Work: AWS Services and GoLang

A small description of work done by the intern during the period :

Consulted with product development teams to enhance products based on customer data. Conceptualized and deployed enhanced product features and optimized implementation for use in marketing strategies. Worked on white labelled B2C solutions for the client in which everything will be handled by TBO under client's domain. This application contains 4 products Hotel, Flight, Flight+Hotel and Dynamic Packages.

Signature:

The the the transparent

For Vauch Information Technology Pvt. Ltd.

Name: Ashishkumar Teli

Designation: Director

Contact Number: 9833149525

Email: we@vauchinfotech.com

Stamp and Signature of Organization Head:



Director

Professional Evaluation of Intern

No.	Particular	Excellent	Very Good	Good	Moderate	Satisfactory
1.	Attendance & Functionality	/	Scales (S)	1 m 1 m		
2.	Ability to work in a Team	V	Neb a obi	return to	-	No to the other
3.	Written and oral communication skills	E GOVERN E SAPA GOS DOUBLES DO RE	V		A ST. THE RES	e (national
4.	Problem solving skills	~	retich is	a copic er si	of separations	n in the Cold
5.	Ability to grasp new concepts	1	in E-Com	melva of ex-	on Chern	or oral trails
6.	Technical skill in terms of technology, programming	Outing the	/	est orestand part Versch as abstelled a breaking	interiors, Sara interiors, Sara interiors to precision was	ra Manchine s, whit de
7.	Ability to complete the task	1	rest to	ighter more	the week, and	10.3.00
8.	Quality of overall work done	V	1000000		e const	or they did

Comments: Swaraj Mishra's internship showcased exceptional skills in Go development and AWS, contributing significantly to project success and demonstrating a strong commitment to continuous learning and Growth.

Signature:

6666666666666666

For Vauch Information Technology Pvt. Ltd.

Name: Ashishkumar Teli

Designation: Director

Contact Number: 9833149525

Email: we@vauchinfotech.com

Stamp and Signature of Organization Head



Director

Internahip letter of Swaraj Ramakant Mishra

Title: Software Developer

Introduction: This internship report provides a comprehensive overview of the internship experience of Swaraj Ramakant Mishra as a GoLang developer at Vauch Information Technology Pvt Ltd. The report covers the period from 20th February 2023 to 12th May 2023. The report includes a description of the organization, details about the activities undertaken during the internship, a summary of the tasks completed, and a self-assessment of the intern's learning outcomes.

Description of the Organization: Vauch Infotech is a renowned organization in the field of Software development. Vauch Infotech team has years of experience developing multiple platforms for diversified domains such as E-Commerce, Finance, E-Learning, etc. It also provides multiple services such as Consulting, Customized software.

Description of the Activities: During the internship at Vauch Infotech, Swaraj Ramakant Mishra worked as a GoLang Developer. The internship was divided into twelve weeks, with the first week being a training period and the subsequent weeks involving practical work as an intern. The activities included working on real-world projects, collaborating with the team, and applying Ge programming and AWS skills to solve problems and extract insights from data.

Description of Work allocated & Tasks Completed:

The following table provides a week-by-week overview of the tasks completed by Swaraj Ramakant Mishra during the internship:

Week 1-2: Training Period

- Gained an understanding of Go programming concepts and AWS services.
- Completed exercises and assignments to reinforce learning.

Week 3: Project Discussion and Data Analysis

- Engaged in project discussions with the team to understand project requirements.
- Deployment of EC2 instance and setup S3 bucket.
- Performed exploratory data cleaning to gain insights and identify patterns.

Week 4: Model Development and Deployment

- Developed RestApi models for the assigned projects.
- Deployed the scripts for productions.
- Participated in client meetings to provide project updates.

Week 5: Optimization and Testing

- Optimized the existing models for better performance.
- Conducted integration testing with other modules to ensure seamless functioning.

Created S3 bucket for data storage and retrieve. Week 6: Database and API Development Designed and implemented the database schema for the projects. Developed SQL queries for data retrieval and manipulation. Worked on the development of Rest APIs and integrated them with front-end components. Week 7-8: Project Enhancements and Bug Fixing Worked on adding new features and functionalities to the projects. Conducted bug fixing and testing to ensure the project stability. Collaborated with the team on project presentations and documentation. Week 9-10: Final Testing and Validation Conducted final testing and validation for all projects. Presented the final project results to the team and stakeholders. Participated in project wrap-up activities and collaborated on closing tasks. Week 11-12: Project Wrap-Up and Conclusion of sed as a Go Collaborated with the team on the final wrap-up of the projects. Reflect on the overall internship experience and lessons learned. Prepared the internship report and self-assessment. and AWS skills Self-Assessment of Learning Outcomes: During the internship, Swaraj Ramakant Mishra demonstrated continuous learning and growth in various areas. The self-assessment includes: The following t Proficiency in GoLang programming and its application in real-world projects. Solid understanding of AWS Ramakont Mist services and its techniques and their practical implementation. Experience in working with RestApis models, optimization, and deployment. Improved skills in data cleaning, preprocessing, and exploratory data analysis. Enhanced knowledge of database design, SQL queries, and API development. Ability to collaborate effectively Gained as within a team and present project results. Overall, the internship provided valuable hands-on experience and e Complete an opportunity to apply theoretical knowledge to practical projects, contributing to the professional growth of Swaraj Mishra as a GoLang Developer and AWS DevOps. Conclusion: The internship at Vauch Infotech as a Go Developer and AWS DevOps proved to be a e Engaged rewarding experience for Swaraj Ramakant Mishra. It allowed him to work on real-world projects, myolgeO . enhance technical skills, collaborate with a professional team, and gain insights of AWS services A Perform and GoLang programming. The internship provided valuable learning outcomes and prepared Swaraj for future endeavour's in the tech industry. Stamp and Signature of Organization Head roleved * o Deploy Particit e Optimi phood e

An Intern in Cloud Devops Development at Accenture Services Pvt Ltd

Submitted in partial fulfillment of the Requirements for the Degree of

MASTER OF SCIENCE (COMPUTER SCIENCE)

By

VILAS RAJBHAR

Seat Number: 4142406

Under the esteemed guidance

of

Prof. Jagruti Raut
HEAD OF DEPARTMENT



DEPARTMENT OF COMPUTER SCIENCE

VISHNU WAMAN THAKUR CHARITABLE TRUST'S
BHASKAR WAMAN THAKUR COLLEGE OF SCIENCE,
YASHVANT KESHAV PATIL COLLEGE OF COMMERCE,
VIDHYA DAYANAND PATIL COLLEGE OF ARTS.

(Affiliated To University Of Mumbai)
VIRAR, 401303
MAHARASHTRA
2022-2023

Vishnu Waman Thakur Charitable
Trust's Bhaskar Waman Thakur
College of Science, Yashvant Keshav
Patil College of Commerce, Vidhya
Dayanand Patil College of Arts.
Virar (W)MAHARASHTRA-401303

(Affiliated to University of Mumbai)



CERTIFICATE

Exam Seat No:4142406_

Roll No:7

This is to partify that Wilson	Daides Daibleau
	Class has Satisfactorily
Completed Internship in <u>Accenture</u>	Service Pvt Ltd.
as Prescribed by the University 2023 .	of Mumbai for the Year <u>2022</u> to
Internship-Guide	Head of Department
Examiner	College Stamp





Certificate of Internship

This is to certify that Mr./Ms. <u>Vilas Rajdeo Rajbhar</u> of <u>Bhaskar Waman Thakur</u> <u>College of Science (VIVA)</u> College/Institution worked as an intern as part of his/her M.Sc. course in Computer Science of University of Mumbai. The particulars of internship are given below:

Internship starting date: 13th February, 2023

Internship ending date: 12th May, 2023
Actual number of days worked: 83 days

Tentative number of hours worked: <u>531</u> Hours

Broad area of work: Working as Cloud Devops Engineer Lead

A small description of work done by the intern during the period:

Mr. Vilas Rajbhar working as Devops engineer, he created multiple Build and Release
pipeline in the PSE Project. Also, he was part of Infra Team where he provisions

Infrastructure resources both in Azure and AWS using Terraform.

Signature:

Name: Tojen Jose_

Designation: <u>Senior Manager</u>

Contact number: <u>+91 8762802071</u>

Email: <u>tojen.c.jose@accenture.com</u>





15th May 2023

Professional Evaluation of intern

Name of intern: Vilas Rajdeo Rajbhar

College/institution: Bhaskar Waman Thakur College of Science (VIVA)

[Note: Give a score in the 1 to 5 scale by putting $\sqrt{}$ in the respective cells]

No	Particular	Excellent	Very Good	Good	Moderate	Satisfactory
1	Attendance & Punctuality	~				
2	Ability to work in a team	~				
3	Written and oral communication skills	~				
4	Problem solving skills	<u> </u>				
5	Ability to grasp new concepts	~				
6	Technical skill in terms of technology, programming etc	~				
7	Ability to complete the task	\				
8	Quality of overall work done	~				

Comments: Mr. Vilas is technically strong; he can grasp quickly and very proficient. He is punctual and hard working and passionate toward learning new things.

Signature:

Name: Tojen Jose

Designation: Senior Manager
Contact number: +91 8762802071
Email: tojen.c.jose@accenture.com



An Intern in Cloud Devops Development at Accenture Services Pvt Ltd

Title

Internship on Azure Devops to Build and Deploy code on Cloud.

Introduction

Azure DevOps engineer plays a critical role in enabling efficient software development and delivery processes by leveraging the capabilities of Azure DevOps tools and services.

an Azure DevOps engineer should have a strong understanding of cloud computing concepts, proficiency in scripting languages (such as PowerShell or Bash), knowledge of deployment and configuration management tools, and experience with Agile methodologies.

- Implementation and configuration: Azure DevOps engineers are responsible for setting up and configuring Azure DevOps services and tools according to the organization's requirements. This includes creating projects, repositories, pipelines, and defining access controls.
- CI/CD pipeline development: They design and build CI/CD pipelines using Azure Pipelines to automate the build, test, and deployment processes.
- Infrastructure as Code (IaC): Azure DevOps engineers leverage infrastructure automation tools like Azure Resource Manager (ARM) templates, Azure CLI, or Azure PowerShell to provision and manage infrastructure resources required for applications.
- Source control management: They oversee the source control processes using Azure Repos, ensuring best practices for version control, branching, merging, and code reviews.
- Collaboration and project management: Azure DevOps engineers facilitate collaboration among team members using Azure Boards. They help define work items, sprints, backlogs, and Kanban boards to track progress, manage tasks, and enable effective project management.
- Troubleshooting and support: Azure DevOps engineers assist development teams in troubleshooting issues related to builds, deployments, and pipeline failures. They provide support, investigate root causes, and implement solutions to minimize downtime and improve overall system stability.

Description of the Organization

• Accenture Solution Pvt Ltd.



Accenture plc is an Irish American professional services company based in Dublin, specializing in information technology (IT) services and consulting. A Fortune Global 500 company, it reported revenues of \$61.6 billion in 2022. Accenture's current clients include 91 of the Fortune Global 100 and more than three-quarters of the Fortune Global 500.

As of 2022, Accenture is considered the largest consulting firm in the world by number of employees.

Description of the activities

Devops Team - (Azure Devops)

- Developer pushed the code to source repository. Based on their requirement Devops Team and Dev Team work together to generate the Docker image.
- Dev team provide the dependencies and packages required for their project.
- Devops Team create Dockerfile and Build the image on Azure Devops using Continuous Integration pipeline. Once the image is build, it is pushed to Container Registry.
- Once Build is completed, we need to deploy the source code on App Services (Linux Web App Container)
- Create Automation Pipelines for testing team to ease their task.

Roles include but are not limited to:

- Trouble Shooting Build and Deploy Pipeline
- Design Architecture flow from End to End. i.e., Code Development to Code Deployment.
- Create Infrastructure with multiple environments.
- Create CI & CD pipelines for multiple projects in multiple technologies.
- Leading Team Members and focus on Project Delivery.
- Support Others Studio project if they face any issue in Build and Deployments.
- Creating Automation Pipeline for Testing team which will execute automation test case, do performance testing and Load Testing of websites.

Description of the work allotted

- Created CI pipelines of multiple projects. Build Source Code, Test, Package and Published Artifacts.
- Create CD pipelines for deployment of the image on WebApp Containers.
- Writing Dockerfile for multiple projects.
- Handing Team members on their Deliverables. Daily Stand-up call and following Agile methodology.
- Creating Infrastructure using Terraforms, i.e., Azure Resources such as Resource Groups, WebApp, Container Registries, App Service Plan and Load Balancers.
- Create Project Development Architecture from Build and Deployment.
- Created Automation Pipelines for testing team to ease their task for executing Automation Test cases and Regression Test.
- Conducting Learning Session on Azure Devops, Jenkins, Terraform, Docker in Devops Studio

		Week 1	
Day	Date	Name of the Topic/Module Completed	Remarks
MONDAY	13-02-2023	 Joined Project: Sitecore Upgrade and was part of Daily Standup call. Working as Devops Engineer for this project 	Joined the stand-up call and understanding the project goal of project.
TUESDAY	14-02-2023	Project: Sitecore Upgrade 1) Going through the existing Devops pipeline i.e., Build and Release. 2) Understanding the Project Architecture.	Analysis on existing pipeline.
WEDNESDAY	15-02-2023	Project: Sitecore Upgrade 1) Access requested for Azure Cloud and Azure Devops. 2) Visual Studio Subscription access requested. 3) Access requested for Dev and Test environments.	Requested Cloud Access
THURSDAY	16-02-2023	Project: Sitecore Upgrade 1) Understanding Sitecore Topologies and CM, CD, XConnect and SOLR modules 2) Sitecore contains three Databases Master, Core and Web	Analysis on Sitecore Topologies
FRIDAY	17-02-2023	Project: Sitecore Upgrade 1) Did follow up on access requested. 2) Analysis done on Frontend ReactJS application. 3) Local setup done for ReactJS application. i.e., installing NodeJS and executed few npm commands.	Front end local setup
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		Week 2	
Day	Date	Name of the Topic/Module Completed	Remarks
MONDAY	20-02-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Got access to Azure Cloud and Azure Devops. 3) Going through their Wiki pages for Sitecore 9.3 pipelines.	Going through Knowledge sharing documents
TUESDAY	21-02-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Configured Azure Devops Build Agents and installed recommended software's. 3) Install Sitecore TDS latest version	Configuring Azure Devops Build Agent.
WEDNESDAY	22-02-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Got access to Visual Studio Subscription. 3) Installing Visual Studio 2022 to build Sitecore project.	Installation of Visual Studio 2022.
THURSDAY	23-02-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Local setup for Sitecore Project. Getting multiple Dll error and fixing them.	Sitecore Project Local Setup
FRIDAY	24-02-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Continue to work on local setup for Sitecore Project and fixing Dll error for 162 projects. 3) Connected with Mangers to install other software's required for Sitecore project.	Sitecore Project Local Setup

		Week 3	
Day	Date	Name of the Topic/Module Completed	Remarks
MONDAY	27-02-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Local setup completed for Sitecore Project 3) Upgrading all 162 projects from .Net 4.6 Framework to 4.8 Framework	Upgrading all Sitecore Project packages and Frameworks.
TUESDAY	28-02-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Upgraded all TDS projects from .Net 2.0 to .Net 4.8 3) Upgraded packages to latest compactible version.	Upgrading all Sitecore Project packages and Frameworks.
WEDNESDAY	01-03-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Continue to work on upgrading all TDS projects from .Net 2.0 to .Net 4.8	Upgrading all Sitecore TDS Project packages and Frameworks.
THURSDAY	02-03-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Continue to work on upgrading packages to latest compactible version.	Upgrading all Sitecore TDS Project packages and Frameworks.
FRIDAY	03-03-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Push all Sitecore projects changes to repository. Raised PR and it is under review from Manager. 3) Updated all my user stories in Azure board	Upgrade code pushed to Azure Repos

		Week 4	
Day	Date	Name of the Topic/Module Completed	Remarks
MONDAY	06-03-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Creating CI pipeline to Build Sitecore Projects 3) Installing all software's on Azure Build agents.	Configuring Azure Devops Build agent
TUESDAY	07-03-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Continue to work on CI pipeline to Build Sitecore Projects	Configured CI pipeline for Sitecore Projects
WEDNESDAY	08-03-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Creating CI pipeline for ReactJS Frontend Code. 3) Installing NodeJS and Gulp	Configured CI pipeline for ReactJS Frontend Projects
THURSDAY	09-03-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Build failed for Sitecore solution due to missing dll. 3) Fixing Sitecore Build issue	Fixing Build issue on missing .dll
FRIDAY	10-03-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Fixing Sitecore Build issue in Azure Devops pipeline 3) Interacting with Client on implementing Branching Strategies and Policies.	Fixing Build issue on missing .dll



		Week No. 5	
Day	Date	Name of the Topic/Module Completed	Remarks
MONDAY	13-03-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Build issue fixed in the pipeline. 3) Implemented SonarQube scan in the pipeline for code analysis.	SonarQube scan implemented in CI pipeline
TUESDAY	14-03-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) SonarQube can implemented in Azure Pipeline 3) Worked on code coverage generation in the pipeline. Installed Dot Net Cover package for Code coverage generation.	Generating SonarQube Code coverage.
WEDNESDAY	15-03-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Completed pending task on creating CI pipeline for ReactJS Frontend Code. 3) Npm build failed due to missing packages.	ReactJS CI pipeline completed.
THURSDAY	16-03-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Informed Dev team about the ReactJS builds issue. 3) Worked on Code coverage task in Sitecore solution.	Generating SonarQube Code coverage.
FRIDAY	17-03-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Code coverage is now generating in the pipeline. Generated the .trx report file and passed in Code coverage task.	Generated SonarQube Code coverage 80%.

		Week 6	
Day	Date	Name of the Topic/Module Completed	Remarks
MONDAY	20-03-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Frontend package missing dll fixed by Dev team. Building Frontend code in CI pipeline.	ReactJS missing package issue fixed.
TUESDAY	21-03-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Generated Artifacts for Frontend solution for deployment on Dev environment 3) Generated Artifacts for Sitecore solution for deployment on Dev environment	Artifacts generated in Build Pipeline for Sitecore Solution & ReactJS solution.
WEDNESDAY	22-03-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Discussed with Team in creating Release pipeline for Sitecore solution and Frontend solution on Dev environment.	Discussed with Client Devops Team on Release Pipeline.
THRUSDAY	23-03-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Worked on creating Release pipeline on Sitecore solution. 3) Understanding the steps need to be added in Release pipelines.	Dev Env: Creating Release pipeline for Sitecore Solution
FRIDAY	24-03-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Continue to work on Release pipeline action items. 3) Creating PPT for Client presentation on Branching strategies.	Dev Env: Creating Release pipeline for Sitecore Solution
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Day	Date	Name of the Topic/Module Completed	Remarks
MONDAY	27-03-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Discussed on Branching strategies within the Team members. 3) Created PPT on Branching strategy.	Branching Strategy PPT created.
TUESDAY	28-03-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Performed Demo on Proposed Branching strategy with the Team members and Managers. Need to do Client presentation.	Demo presented to Internal Team.
WEDNESDAY	29-03-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Worked on Release pipeline for Sitecore Solution. 3) Created Deployment Group for Dev environment	Deployment Group created for Dev environment.
THURSDAY	30-03-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Continue to work on creating Release pipeline on Sitecore solution.	Dev Env: Creating Release pipeline for Sitecore Solution
FRIDAY	31-03-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Sitecore Release pipeline is completed and performed multiple deployment on Devenvironment. 3) Performed Client presentation on Proposed Branching strategies.	Demo presented to Client

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		Week 8	
Day	Date	Name of the Topic/Module Completed	Remarks
MONDAY	03-04-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Implemented Proposed Branching Strategies on Azure Repository 3) Continue to test Sitecore Release pipeline.	Branching strategies implemented on Azure Repos
TUESDAY	04-04-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Worked on creating Frontend release for Dev env deployment.	Creating Release pipeline for ReactJS Frontend
WEDNESDAY	05-04-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Continue to work on creating Frontend Release for Dev env deployment.	Creating Release pipeline for ReactJS Frontend
THURSDAY	06-04-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Dev Release pipeline completed for Sitecore and Frontend solution. 3) Waiting for Infra team to create QA environment.	Release pipeline created for Sitecore & ReactJS solution
FRIDAY	07-04-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Worked on optimization on TDS package installation. Client report TDS installation task is very time consuming. Discussing with Studio teams to find correct solutions.	Optimizing TDS installation scripts.

		Week 9	
Day	Date	Name of the Topic/Module Completed	Remarks
MONDAY	10-04-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Work on creating Release Pipeline for QA environment for Sitecore Solution	Creating Release pipeline for QA env for Sitecore.
TUESDAY	11-04-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Continue to work on creating Release Pipeline for QA environment for Sitecore Solution	Creating Release pipeline for QA env for Sitecore.
WEDNESDAY	12-04-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) QA release pipeline completed and doing testing of the Release pipeline	Release pipeline created for QA env for Sitecore.
THURSDAY	13-04-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Work on creating QA Release pipeline for ReactJS solution. 3) Installed recommended software on QA environment.	Creating Release pipeline for QA env for ReactJS solution.
FRIDAY	14-04-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) QA Release pipeline completed for Sitecore Solution and ReactJS solution. 3) Company Ethic and Compliance vaining completed.	Release pipeline created for QA env for both Sitecore & ReactJS solution.

		Week 10	
Day	Date	Name of the Topic/Module Completed	Remarks
MONDAY	17-04-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Work on creating PPT for Devops Workflow. 3) Testing Dev and QA pipeline & waiting for infra team to create UAT environment.	Testing Dev and QA Build & Release Pipelines.
TUESDAY	18-04-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Continue to work on PPT for Devops Workflow. 3) UAT environment created from Infra team. Installed recommended software's using scripts on all 16 UAT servers	Software installation on 16 UAT servers using PowerShell script.
WEDNESDAY	19-04-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Work on creating UAT release pipeline for Sitecore Solution. 3) Understanding existing Blue Green Swap for Zero downtime deployment.	Analysis on Blue Green Deployment.
THURSDAY	20-04-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Continue to work on creating UAT release pipeline for Sitecore Solution.	Creating Release pipeline for UAT env for Sitecore solution.
FRIDAY	21-04-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Performed Demo with Internal Team members on Devops Workflow.	Devops: Demo presented to Internal Team members

		Week 11	
Day	Date	Name of the Topic/Module Completed	Remarks
MONDAY	24-04-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) UAT release pipeline completed for Sitecore solution. Deployment takes around 40 mins.	Release Pipeline created for UAT env for Sitecore Solution
TUESDAY	25-04-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Work on creating UAT Release Pipeline for ReactJS Solution.	Creating Release Pipeline for ReactJS for UAT env.
WEDNESDAY	26-04-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Implemented Blue Green Swap on UAT environment for Zero downtime deployment.	Blue Green Swap implementing.
THURSDAY	27-04-2023	Project: POC for Docker Image 1) Part of Daily Standup call. 2) Production issue: Worked on POC for creating Docker Images. Provided my expertise in Docker and containerization.	Production Issue for another Project.
FRIDAY	28-04-2023	Project: POC for Docker Image 1) Part of Daily Standup call. 2) Continue to work on POC for creating Docker Images. 3) Build and deploy the docker image using containerization. Implemented same solution in different project and resolved the Production issue.	Production Issue fixed for another Project.

		Week 12	
Day	Date	Name of the Topic/Module Completed	Remarks
MONDAY	01-05-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Continue to work on creating UAT Release Pipeline for ReactJS Solution. 3) Production issue resolve for another project.	Creating Release Pipeline for ReactJS for UAT env.
TUESDAY	02-05-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) ReactJS UAT release pipeline completed. Site is up and running. 3) Performed multiple deployment on UAT environment for testing pipeline	Release Pipeline created for ReactJS for UAT env.
WEDNESDAY	03-05-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Blue Green Swap working perfectly on UAT environment with Zero downtime.	Blue Green Swap is working as expected.
THURSDAY	04-05-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Reviewed Dev, QA and UAT pipelines from Client Devops teams. Explained the benefit of current implemented Devops strategy in the pipeline.	Reviewed Dev, QA and UAT pipelines.
FRIDAY	05-05-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Waiting for Infra team to create Production environments. 3) Company IT security training completed.	IT Security training completed.

		Week 13	
Day	Date	Name of the Topic/Module Completed	Remarks
MONDAY	08-05-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Work on creating Prod Release Pipeline for Sitecore Solution.	Creating Prod Release Pipeline for Sitecore Solution.
TUESDAY	09-05-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Continue to work on creating Prod Release Pipeline for Sitecore Solution. 3) Created Wiki page for Dev and QA deployment for Client knowledge sharing.	Created Wiki Page for Dev and QA deployment.
WEDNESDAY	10-05-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Implemented Blue Green Swap in Prod release pipeline. 3) Continue to work on creating Prod Release Pipeline for Sitecore Solution.	Creating Prod Release Pipeline for Sitecore Solution.
THURSDAY	11-05-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Work on creating Prod Release pipeline for ReactJS solution	Creating Prod Release Pipeline for ReactJS Solution.
FRIDAY	12-05-2023	Project: Sitecore Upgrade 1) Part of Daily Standup call. 2) Continue to work on creating Release pipeline for ReactJS solution 3) Created Wiki page for QA deployment for Client knowledge sharing.	Wiki page created for QA deployment.
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Self – Assessment:

- ➤ To understand the client and project requirements and help to implement it into the deployment.
- ➤ Learned about the libraries and frameworks that are useful to the project to develop and build the APIs of request and response.
- ➤ Skills on how to coordinate with the different teams, like Frontend team, Backend Team, Testing Team and understand their requirement.
- ➤ Created Automation Pipelines for testing team to ease their task for executing Automation Test cases and Regression Test.
- ➤ To work under pressure and provide the results in the mentioned timelines given by the Project Manager.
- Learned on Cloud Technologies such as Azure and AWS concepts.
- ➤ Learned on Terraforms for creating Infrastructure provisioned.

 Completed Azure Certification requested by Clients: Az204 and Az400.

CONCLUSION:

Working as an intern in the role of an Azure DevOps engineer offers valuable learning opportunities and exposure to the key aspects of implementing and managing Azure DevOps within an organization. As an intern, I gain practical experience and develop essential skills in areas such as source control, CI/CD pipelines, infrastructure automation, project management, and collaboration.

Signature:

Name: <u>Tojen Jose</u>

Designation: Senior Manager

Contact number: <u>+91 8762802071</u>

Email: tojen.c.jose@accenture.com



Internship Report

Ву

Mr. Gaurav Arvind Chaubey

"INTERN AS A PYTHON DEVELOPER AND DATA ANALYST AT CODING NINJAS"

GUIDED BY

PROF. JAGURTI CHURI

M.Sc. (COMPUTER SCIENCE) PART-II

YEAR-2022-23

Internship Certificate

This is to certify that Mr. GAURAV ARVIND CHAUBEY of VIVA COLLEGE Institution worked as an intern as part of her M.Sc. Course in Computer Science of University of Mumbai. The Particulars of internship are given below:

Internship Starting Date: 27th February 2023

Internship Ending Date: 19th May 2023

Actual Number of Days Worked: 54

Tentative Number of Hours Worked: 432 working hours

Broad Area of Work: PYTHON AND DATA ANALYST

A small description of work done by the intern during the period :

Developed Python scripts and utilized data analysis techniques to extract valuable insights from large datasets. Collaborated with the team to implement machine learning models for real-time predictions and optimized their performance. Assisted in the development of database sachems, SQL queries, and API endpoints for efficient data retrieval and manipulation. Conducted comprehensive testing and validation of projects, ensuring their functionality, stability, and adherence to project requirements. Presented project results to stakeholders, effectively communicating findings and demonstrating the impact of data-driven solutions.

Signature:

Authorised Signatory
(Sunrise Mentors Pvt. Ltr

Name: Ankush Singla

Designation: Founder of Coding Ninjas

Contact Number: 1800-123-3598

Email: contact@codingninjas.in

Stamp and Signature of Organization Head:

Authorised Signatory
(Sunrise Mentors Pvt. Ltd.

Professional Evaluation of Intern

No.	Particular	Excellent	Very Good	Good	Moderate	Satisfactory
1.	Attandance & Functionality		Ø			
2.	Ability to work in a Team	Ø				
3.	Written and oral communication skills		Ø			
4.	Problem solving skills	Ø				
5.	Ability to grasp new concepts		Ø			
6.	Technical skill in terms of technology, programming		V			
7.	Ability to complete the task	\square				
8.	Quality of overall work done		Ø			

Comments: Gaurav A Chaubey's internship showcased exceptional skills in Python development and data analysis, contributing significantly to project success and demonstrating a strong commitment to continuous learning and Growth.

Signature:

Authorised Signatory

Name: Ankush Singla

Designation: Founder of Coding Ninjas☑

Contact Number: 1800-123-3598

Email: contact@codingninjas.in

Stamp and Signature of Organization Head:

Authorised Signatory
(Sunrise Mentors Pvt. Ltd

Introduction:

Title: Intern as Python Developer And Data Analyst

- ◆ This internship report provides a comprehensive overview of the internship experience of Gaurav Arvind Chaubey as a Python Developer and Data Analyst at Coding Ninjas. The report covers the period from 27th February 2023 to 19th May 2023. The report includes a description of the organization, details about the activities undertaken during the internship, a summary of the tasks completed, and a self-assessment of the intern's learning outcomes.
- ◆ I had the privilege to intern as a Python Developer and Data Analyst at Coding Ninjas. Coding Ninjas is a leading technology and education company, renowned for its comprehensive coding courses and expertise in the field of software development and data analysis. With a strong focus on providing quality education and empowering students with industry-relevant skills, Coding Ninjas has established itself as a trusted platform for aspiring developers and data analysts.
- ◆ Throughout my internship at Coding Ninjas, I had the opportunity to work alongside highly skilled professionals and mentors who guided me in honing my technical skills and understanding the nuances of Python development and data analysis. The organization's commitment to fostering a learning-centric environment and its emphasis on practical hands-on experience allowed me to gain valuable insights into industry best practices and real-world applications.
- ◆ Gaurav A Chaubey, pursued a 12-week internship program as a Python Developer data analyst at Coding Ninjas. During the internship, I was trained in various Python concepts, data analysis techniques, and tools that are commonly used in the industry.
- ♦ Overall, the internship program was a great learning experience for me. I gained practical knowledge in Python programming, data analysis techniques, and various tools used in the industry. The projects that I worked on helped me to develop problem-solving skills and gave me exposure to real-world data analysis scenarios.

Description of the Organization:

- ◆ Coding Ninjas is a renowned organization in the field of coding and programming education. It offers various courses and training programs to help individuals develop their coding skills and pursue a career in the tech industry. The organization focuses on providing hands-on experience and practical knowledge to students and professionals.
- ◆ Coding Ninjas is an Indian online platform and edtech company that offers coding courses and programming training to individuals seeking to enhance their coding skills. Founded in 2016 by Ankush Singla, Kannu Mittal, and Dhawal Parate, Coding Ninjas aims to provide high-quality coding education and bridge the gap between industry requirements and the skills of aspiring programmers.
- ◆ Coding Ninjas provides a wide range of coding courses, covering various programming languages, data structures, algorithms, web development, machine learning, and more. The organization offers an online learning platform that allows students to access video lectures, coding challenges, practice problems, and other learning resources. The platform supports a structured curriculum and provides a hands-on coding environment.Coding Ninjas boasts a strong alumni network comprising successful professionals in the tech industry. They conduct alumni sessions and mentorship programs to provide guidance and support to current students.
- ◆ The organization offers an online learning platform that allows students to access video lectures, coding challenges, practice problems, and other learning resources. The platform supports a structured curriculum and provides a hands-on coding environment. The organization provides career services to assist students in improving their resume, interview preparation, and job search. They also offer placement assistance and connect students with potential employers through their extensive industry network.
- Over the years, Coding Ninjas has gained popularity and has trained thousands of students, helping them build a strong foundation in coding and secure jobs at top tech companies. Their focus on practical coding skills, experienced faculty, and comprehensive curriculum has made them a prominent player in the coding education space in India.

Description of the Activities done by the intern has worked

- ◆ During the internship at Coding Ninjas, Gaurav Arvind Chaubey worked as a Python Developer and Data Analyst. The internship was divided into eight weeks, with the first week being a training period and the subsequent weeks involving practical work as an intern. The activities included working on real-world projects, collaborating with the team, and applying Python programming and data analysis skills to solve problems and extract insights from data.
- ♦ Gaurav A Chaubey, pursued a 12-week internship program as a Python Developer data analyst at Coding Ninjas. During the internship, I was trained in various Python concepts, data analysis techniques, and tools that are commonly used in the industry. The internship program commenced on 27th February 2023 and ended on 19th May 2023. The first week of the internship was a training period, where I was given an overview of the company's policies, tools, and technologies used. During this period, I also learned Python concepts such as basic data types, control flow statements, and functions.
- ◆ From the second week onwards, I was assigned to work on different projects related to data analysis using Python. The following is a detailed report of the work I completed during each week of my internship. During 2 week, I was assigned to work on a project that involved web scraping using Python libraries such as Beautiful Soup and Requests. The project required me to extract data from multiple websites, clean and preprocess the data, and store it in a database for further analysis. I worked on a project that involved data cleaning and preparation using Pandas library in Python.
- ♦ The project required me to clean and preprocess the data and prepare it for analysis. During 4 week, I was assigned to work on a project that involved data visualization using Matplotlib and Seaborn libraries in Python. The project required me to create various plots such as scatter plots, line plots, and bar graphs to visualize the data.
- ◆ During this week, I worked on a project that involved natural language processing using NLTK library in Python. The project required me to perform various text analysis techniques such as tokenization, stemming, and lemmatization. I worked on a project that involved image processing using OpenCV library in Python. The project required me to perform various image analysis techniques such as thresholding, edge detection, and contour detection.
- ♦ Overall, the internship program was a great learning experience for me. I gained practical knowledge in Python programming, data analysis techniques, and various tools used in the industry. The projects that I worked on helped me to develop problem-solving skills and gave me exposure to real-world data analysis scenarios.

Description of Work allocated and done by intern

Week 1: Training Period

- Gained an understanding of Python programming concepts and data analysis techniques.
- Completed exercises and assignments to reinforce learning.

Week 2: Project Discussion and Data Analysis

- Engaged in project discussions with the team to understand project requirements.
- Conducted data cleaning and preprocessing to prepare the data for analysis.
- Performed exploratory data analysis to gain insights and identify patterns

Week 3: Model Development and Deployment

- Developed machine learning models for the assigned projects.
- Deployed the models for real-time predictions.
- Participated in client meetings to provide project updates.

Week 4: Optimization and Testing

- Optimized the existing models for better performance.
- Conducted integration testing with other modules to ensure seamless functioning.

Week 5: Database and API Development

- Designed and implemented the database schema for the projects.
- Developed SQL queries for data retrieval and manipulation.
- Worked on the development of Flask API and integrated them with front-end components.

Week 6: Project Enhancements and Bug Fixing

- Worked on adding new features and functionalities to the projects.
- Conducted bug fixing and testing to ensure the projects' stability.
- Collaborated with the team on project presentations and documentation.

Week 7: Final Testing and Validation

- Conducted final testing and validation for all projects.
- Presented the final project results to the team and stakeholders.

Participated in project wrap-up activities and collaborated on closing tasks.

Week 8: Project Wrap-Up and Conclusion

- Collaborated with the team on the fnal wrap-up of the projects.
- Reflect on the overall internship experience and lessons learned.
- Prepared the internship report and self-assessment.

Week 9: Advanced Data Analysis

- Applied advanced data analysis techniques such as feature engineering and dimensionality reduction.
- Explored advanced statistical analysis methods to gain deeper insights from the data. Implemented advanced data visualization techniques to communicate complex patterns effectively.

Week 10: Ensemble Methods and Hyperparameter Tuning

- Developed ensemble models such as Random Forests, Gradient Boosting, and Voting classifiers.
- Fine-tuned hyperparameters to optimize model performance and improve predictive accuracy.
- Conducted cross-validation and performance evaluation of ensemble models

Week 11: Reinforcement Learning

- Studied and implemented reinforcement learning algorithms such as Q-Learning and Deep Q-Networks.
- Developed agent-environment interactions for solving sequential decision-making problems.
- Evaluated and fine-tuned reinforcement learning models using reward shaping techniques.

Week 12: Final Project Presentation and Conclusion

- Collaborated with the team to finalize the project and ensure all deliverables were met.
- Prepared and delivered a comprehensive project presentation to showcase the outcomes and achievements.
- Summarized the internship experience, highlighted key learnings, and presented recommendations for future work.

Tuesday February 28th, 2023 Data Structures in Python Python Wednesday March 1st, 2023 Working with NumPy Worked on a mini Project - Data Analysis Worked on a mini Project for data analysis using Python Signature of the Faculty Mentor: Buully 2023 Python Programming Concepts Learned about Morked with NumPy Worked on a mini Project - Data Analysis Worked on a mini Project for data analysis using Python		We	eek 1	
Python Programming Concepts Tuesday February 28th, 2023 Data Structures in Python Wednesday March 1st, 2023 Working with NumPy Worked on a mini Priday March 3rd, 2023 Mini Project - Data Analysis Morked on a mini Project for data analysis using Python Signature of the Faculty Mentor:- Buund Seal of the University College	Day	Date		
Tuesday February 28th, 2023 Data Structures in Python Wednesday March 1st, 2023 Working with NumPy Worked with NumPy library for scientific computing Learned about Pandas library for data analysis Friday March 3rd, 2023 Mini Project - Data Analysis using Python Signature of the Faculty Mentor:- Signature of the Faculty Mentor:- Seal Of the University College	Monday	February 27th, 2023		Python programming
March 1st, 2023 Working with NumPy library for scientific computing Thursday March 2nd, 2023 Data Analysis with Pandas library for data analysis Friday March 3rd, 2023 Mini Project - Data Analysis with Porject for data analysis using Python Signature of the Faculty Mentor:- Blumble Seal Of the University College	Tuesday	February 28th, 2023		Learned about different data
Thursday March 2nd, 2023 Data Analysis with Pandas library for data analysis Mini Project - Data Analysis Worked on a mini project for data analysis using Python Signature of the Faculty Mentor:- Seal Of the University College	Wednesday	March 1st, 2023	Working with NumPy	Worked with NumPy library for scientific
March 3rd, 2023 Mini Project - Data Analysis Worked on a mini project for data analysis using Python Signature of the Faculty Mentor:- Seal Of the University College	Thursday	March 2nd, 2023		Learned about Pandas library for data
Signature of the Faculty Mentor:- Blum 23	Friday	March 3rd, 2023		Worked on a mini project for data
			Sea	Ass. they cold

	V	Veek 2	
Day	Date	Name of Topic/Module Task Given	Remarks
Monday	March 6th, 2023	Work on a project to analyse customer churn for a telecom company	Conducted exploratory data analysis to identify factors contributing to customer churn
Tuesday	March 7th, 2023	Holiday On Account of Holi	-
Wednesday	March 8th, 2023	Build a decision tree classifier to predict	Created a decision tree, tuned
	Alarch 16th, 2023	whether a customer is likely to default on a loan. Develop a linear regression model to predict housing prices based on certain features	hyperparameters, and evaluated model performance. Pre- processed the data, built a linear regression model, and evaluated its performance
Thursday	March 9th, 2023	Work on a project to classify images of flowers using	Built a CNN model, trained it on a dataset of flower images, and
		convolutional neural networks	tested its performance
Friday	March 10th, 2023	Work on a project to recommend movies to users based on their viewing history	Developed a collaborative filtering model using Python and evaluated its performance on a movie datas

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Week 3				
Day	Date	Name of Topic/Module Task Given	Remarks	
Monday	March 13th, 2023	Work on a project to detect fraudulent credit card transactions	Conducted data pre- processing, built a logistic regression model, and evaluated its performance	
Tuesday	March 14th, 2023	Work on a project to recommend products to users based on their purchase history	Developed a recommendation system using collaborative filtering and evaluated its performance	
Wednesday	March 15th, 2023	Work on a project to predict the sentiment of movie reviews using natural language processing techniques	Pre-processed text data, built a classification model using Naive Bayes algorithm, and evaluated its performance	
Thursday	March 16th, 2023	Work on a project to predict the stock prices of a company using time series analysis	Conducted data pre- processing, built an ARIMA model, and evaluated its performance	
Friday	March 17th, 2023	Work on a project to identify spam emails using text classification techniques	Pre-processed text data, built a classification model using SVM algorithm, and evaluated its performance	

Seal Of the University College

Week 4					
Day	Date	Name of Topic/Module Task Given	Remarks		
Monday	March 20th, 2023	Work on a project to identify credit card fraud using unsupervised learning techniques	Conducted data preprocessing, built ar anomaly detection model, and evaluated its performance		
Tuesday	March 21st, 2023	Work on a project to predict the price of Bitcoin using time series analysis	Conducted data preprocessing, built a LSTM model, and evaluated its performance		
Wednesday	March 22nd, 2023	Holiday on account of Gudi Padwa	autisus of skill resion.		
Thursday	March 23rd, 2023	Work on a project to detect objects in images using deep learning techniques. Work on a project to classify handwritten digits using deep learning techniques	Built a YOLOv3 model using TensorFlow and evaluated its performance. Built a CNN model using TensorFlow and evaluated its performance		
Friday	March 24th, 2023	Work on a project to generate text using recurrent neural networks	Built a language model		

Seal Of the University College

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Day	Date		Name of Topic/Module Task Given	Remarks
Monday	March 27th, 2023	per stur	Work on a project to detect fake news using natural language processing techniques	Pre-processed text data, built a classification model using LSTM and evaluated its performance
Tuesday	March 28th, 2023		Work on a project to classify skin lesions using convolutional neural networks	Built a CNN model using TensorFlow and evaluated its performance on a dataset of skin lesion images
Wednesday	March 29th, 2023		Work on a project to detect emotions in text using natural language processing techniques	Pre-processed text data, built a classification model using Naive Bayes algorithm, and evaluated its performance
Thursday	March 30th, 2023		Work on a project to recommend news articles to users based on their reading history	Developed a recommendation system using collaborative filtering and evaluated its
			ntify spani	performance on a news dataset
Friday Signature of the Faci	March 31st, 2023		Work on a project to detect objects in video streams using deep learning techniques	Built a YOLOv3 model using TensorFlow and evaluated its performance on a video dataset

Week 6					
Day	Aura	Date	Har	Name of Topic/Module Task Given	Remarks
Monday		April 3rd, 2023		Work on a project to predict the performance of students based on	Preprocessed data, built a regression model using XGBoost algorithm, and
				their academic history	evaluated its performance
Tuesday		April 4th, 2023		Work on a project to classify images of	Built a CNN model using TensorFlow and
				handwritten digits using deep learning techniques	evaluated its performance on a dataset of handwritten digits
Wednesday		April 5th, 2023		Work on a project to recommend products to users based on their browsing history	Developed a recommendation system using content- based filtering and evaluated its performance
Thursday		April 6th, 2023		Work on a project to detect objects in images using transfer learning techniques	Fine-tuned a pre- trained VGG16 model using TensorFlow and evaluated its performance
Friday		April 7th, 2023		Work on a project to identify spam messages in social media using natural language processing techniques	Pre-processed text data, built a classification model using SVM algorithm, and evaluated its performance

Week 7					
Day	Date	Name of Topic/Module Task Given	Remarks		
Monday	April 10th, 2023	Work on a project to predict the likelihood of a customer to purchase a product based on their browsing history	Preprocessed data, built a classification model using Random Forest algorithm, and evaluated its performance		
Tuesday	April 11th, 2023	Work on a project to classify images of food items using convolutional neural networks	Built a CNN model using TensorFlow and evaluated its performance on a dataset of food images		
Wednesday	April 12th, 2023	Work on a project to predict the sentiment of customer reviews using natural language processing techniques	Preprocessed text data, built a classification model using LSTM and evaluated its performance		
Thursday ,	April 13th, 2023	Work on a project to recommend songs to users based on their listening history	Developed a recommendation system using matrix factorization and evaluated its performance on a music dataset		
Friday	April 14th, 2023	Work on a project to detect anomalies in time series data using machine learning techniques	Preprocessed data, built an outlier detection model using Isolation Forest algorithm, and evaluated its performance		

		Week 8	
Day	Date	Name of Topic/Module Task Given	Remarks
Monday	April 17th, 2023	Work on a project to predict the stock prices of a company based on their historical data	Preprocessed data, built a regression model using LSTM and evaluated its performance
Tuesday	April 18th, 2023	Work on a project to classify images of flowers using convolutional neural networks	Built a CNN model using TensorFlow and evaluated its performance on a dataset of flower images
Wednesday	April 19th, 2023	Work on a project to generate captions for images using natural language processing and computer vision techniques	Preprocessed data, built an image captioning model using CNN and LSTM, and evaluated its performance
Thursday	April 20th, 2023	Work on a project to recommend movies to users based on their viewing history	Developed a recommendation system using collaborative filtering and evaluated its performance on a movie dataset
Friday	April 21st, 2023	Work on a project to detect objects in images using deep learning techniques	Built a Faster R-CNN model using TensorFlow and evaluated its performance on a dataset of object images

		Week 9	
Day	Date	Name of Topic/Module	Remarks
Monday	April 24th, 2023	Work on a project to classify tweets as positive or negative using natural	Preprocessed data, built a sentiment analysis model using Naive Bayes
Tourisy	Nac2nd 1028	language processing techniques	algorithm, and evaluated its performance
Tuesday	April 25th, 2023	Work on a project to predict the price of a house based on its features using machine learning techniques	Preprocessed data, built a regression model using Random Forest algorithm, and evaluated its performance
Wednesday	April 26th, 2023	Work on a project to classify images of dogs and cats using convolutional neural networks	Built a CNN model using TensorFlow and evaluated its performance on a dataset of dog and cat images
Thursday	April 27th, 2023	Work on a project to recommend products to users based on their purchase history	Developed a recommendation system using item-based collaborative filtering and evaluated its performance on an ecommerce dataset
Friday	April 28th, 2023	Work on a project to detect spam messages using natural language processing techniques	Preprocessed text data, built a classification model using Support Vector Machines algorithm, and evaluated its performance

Signature of the Faculty Mentor: -

	W	'eek 10	
Day	Date	Name of Topic/Module Task Given	Remarks
Monday	May 1st, 2023	Holiday on account of Maharashtra Day	-
Tuesday	May 2nd, 2023	Work on a project to classify images of vehicles using convolutional neural networks. Work on a project to predict the sentiment of customer reviews using natural language processing techniques	Built a CNN model using TensorFlow and evaluated its performance on a dataset of vehicle images. Preprocessed text data, built a classification model using Naive Bayes algorithm, and evaluated its performance
Wednesday	May 3rd, 2023	Work on a project to recommend news articles to users based on their reading history	Developed a recommendation system using content-based filtering and evaluated its performance on a news dataset
Thursday	May 4th, 2023	Work on a project to detect credit card fraud using machine learning techniques	Preprocessed data, built an anomaly detection model using Autoencoder algorithm, and evaluated its performance
Friday	May 5th, 2023	Work on a project to generate captions for videos using natural language processing and computer vision techniques	Preprocessed data, built a video captioning model using CNN and LSTM, and evaluated its performance

Signature of the Faculty Mentor: -

Week 11					
Day	Date	Name of Topic/Module (Task Given)	Remarks		
Monday	May 8th, 2023	Image Processing using OpenCV	Completed work on image processing project		
Tuesday	May 9th, 2023	Natural Language Processing	Worked on analyzing text data using NLP techniques		
Wednesday	May 10th, 2023	Web Scraping	Completed a web scraping project		
Thursday	May 11th, 2023	Data Visualization with Matplotlib	Created visualizations for a dataset		
Friday	May 12th, 2023	Deep Learning with TensorFlow	Worked on a deep learning project using TensorFlow		

Signature of the Faculty Mentor:-

Week 12					
Day	Date	Name of Topic/Module (Task Given)	Remarks		
Monday	May 15th, 2023	Machine Learning with scikit-learn	Completed a machine learning project using scikit-learn		
Tuesday	May 16th, 2023	Artificial Neural Networks	Worked on building and training an ANN model		
Wednesday	May 17th, 2023	Model Optimization	Explored techniques for optimizing machine learning models		
Thursday	May 18th, 2023	Time Series Analysis	Worked on analyzing time series data		
Friday	May 19th, 2023	Final Report Submission	Submitted the final report of the internship		

Signature of the Faculty Mentor:-

Self-Assessment of Learning Outcomes:

During the internship, Gaurav Arvind Chaubey demonstrated continuous learning and growth in various areas.

The self-assessment includes:

Proficiency in Python programming and its application in real-world projects. Solid understanding of data analysis techniques and their practical implementation. Experience in working with machine learning models, optimization, and deployment. Improved skills in data cleaning, preprocessing, and exploratory data analysis. Enhanced knowledge of database design, SQL queries, and API development. Ability to collaborate effectively within a team and present project results. Overall, the internship provided valuable hands-on experience and an opportunity to apply theoretical knowledge to practical projects, contributing to the professional growth of Gaurav Arvind Chaubey as a Python Developer and Data Analyst.

Conclusion: The internship at Coding Ninjas as a Python Developer and Data Analyst proved to be a rewarding experience for Gaurav Arvind Chaubey. It allowed him to work on real-world projects, enhance technical skills, collaborate with a professional team, and gain insights into the feld of data analysis and Python development. The internship provided valuable learning outcomes and prepared Gaurav for future endeavors in the tech industry.

Stamp and Signature of Organization Head

Authorised Signatory
(Sunrise Mentors Pvt. Ltd

Vishnu Waman Thakur Charitable Trust's Bhaskar Waman Thakur College of Science, Yashvant Keshav Patil College of Commerce, Vidhya Dayanand Patil College of Arts. Virar (W)-MAHARASHTRA-401303

(Affiliated to University of Mumbai)



CERTIFICATE

Roll No:	Exam Seat No.:			
This is to certify that of		has	Satisfactorily	1
Internship inPrescribed by the Univer	sity of Mum	bai fo	or the Year 20	as to 20
Internship-Guide			Head of Dep	artment

College Stamp

Examiner

INTERNSHIP REPORT

By

Ms. Gulnar Gafur Sayyad

"INTERN AS A CO. CHARTERED ACCOUNTANTS"

GUIDED BY

MS. Anuja Patil

M.Sc.(COMPUTER SCIENCE) PART- II Sem IV YEAR-2022-23

Created By: Gulnar Sayyad

Roll no. 08

Internship Certificate

This is to certify that <u>Ms. GULNAR GAFUR SAYYAD</u> of <u>VIVA COLLEGE</u> Institution worked as an intern as part of her M.Sc. Course in Computer Science of University of Mumbai. The Particulars of internship are given below:

Internship Starting Date: 13/02/2023

Internship Ending Date: 06/05/2023

Actual Number of Days Worked: 12 Weeks.

Number of Hours Worked: 8 hrs/day

Broad Area of Work: Virar, Mumbai.

A small description of work done by the intern during the period :

Signature:

Name: C.A. Mazhar Khambaty

Designation: Chartered Accountants

Contact Number : 9975180741

Email: mazaharkhambaty@gmail.com

(Seal of the Organization)

Roll no. 08

Professional Evaluation of Intern

Name of Intern: Ms. Gulnar Gafur Sayyad

College/Institution : Viva College

No.	Particular	Excellent	Very Good	Good	Moderate	Satisfactory
1.	Attandance & Functionality					
2.	Ability to work in a Team					
3.	Written and oral communication skills					
4.	Problem solving skills					
5.	Ability to grasp new concepts					
6.	Technical skill in terms of technology, programming					
7.	Ability to complete the task					
8.	Quality of overall work done					

Comments:

Signature:

Name: C.A. Mazhar Khambaty

Designation: Chartered Accountants

Contact Number : 9975180741

 $\pmb{Email: \underline{mazaharkhambaty@gmail.com}}$

Seal of Organization

Created By: Gulnar Sayyad Roll no. 08

***** Title:

"Intern as a Co. Chartered Accountants"
(Handling Accounts, GST Returns, Generating Invoices)

Description of the Organization :

A Chartered Accountant, also known as a certified public accountant or CPA, is a professional accountant qualified to work with a spectrum of accountancy related activities. A chartered accountant will implement accounting systems, prepare monthly financial reports, and submit corporate tax returns.

The chartered accountant is responsible for implementing accounting systems and processes, preparing monthly financial reports, controlling the master data of the general ledger, and ensuring compliance with the state revenue service.

chartered accountant, you should possess a stable working track record, excellent oral and written communication skills, and be highly knowledgable in the broad spectrum of accountancy accounting practices.



Accountants help businesses make financial decisions by collecting, tracking, correcting, and communicating the financial position of the company. They record transactions, compile and analyze data, perform audits, assist with budgets and financial forecasting, compute taxes, and report their findings to management and other entities, such as the IRS or investors.

A tax accountant is responsible for assisting clients and companies with their financial and income tax statements. These qualified professionals research, study and interpret tax law. Their work includes preparing payments, identifying tax savings, and analyzing tax issues.

Their Email address is <u>mazharkhambaty@gmail.com</u> and its registered address is Satyam Center Cooperative Housing Society, A/12, 401303, Datt Mandir rd, near M.B Garba Ground, Virar West.

Description About the Activities Done by the Section Where the Intern has Worked:

From above Description as we know that it is a Chartered Accountants Company so it consist of all this Sections:

1. Chartered Accountant:

Oversee the duties of the accounting team, Implement accounting systems and processes, Reconcile income statements, Prepare monthly financial reports, Control the master data of the general register, Review and release online banking payments, Ensure compliance with state revenue service, Provide ongoing accounting and reporting support, Prepare an expense budget report.

2. Accountant:

Complying with all company, local, state, and federal accounting and financial regulations. Compiling, analyzing, and reporting financial data. Creating periodic reports, such as balance sheets, profit & loss statements, etc. Presenting data to managers, investors, and other entities. Maintaining accurate financial records. Performing audits and resolving discrepancies, Computing taxes, Keeping informed about current legislation relating to finance and accounting.

3. Tax Accountant:

Prepare tax returns, payments, necessary paperwork, and reports. Assess and research difficult tax issues to identify solutions, Manage and maintain the company's tax database, Determine tax savings and recommend strategies to improve profits, Ensure you comply with regulations by forwarding required information to federal, state, and local authorities, Offer support and guidance during audits, Evaluate tax regulations and suggest policies that diminish tax burden, Keep track of industry trends and changes related to taxes, Prepare accurate quarterly and annual tax reports.

4. Tally Accounting

Tally is most used accounting software. Small and medium sized business can take services from CA firms who can allocate accountants to handle accounting for your business.

5. Tax Audit:

Tax Audit is requirements of income Tax Act for companies/large businesses. Tax Audit Report helps in compliance of income tax laws & highlights key tax related information. Experienced CA firms can help in reducing non-compliance of income tax laws.

6. GST & TDS

The value on which TDS shall be made by the recipient shall be the value excluding the CGST, SGST or UTGST. Therefore the TDS shall be made on a value excluding GST amount as indicated in the invoice or other document. TDS required to be deducted under Section 194C of the Income Tax Act, 1961 at the rate of 1% or 2% (as the case may be) for payments to residents.

- > To check if deduction is required to be made
- ➤ To obtain registration

 To obtain online registration at www.gst.gov.in
- To make payment within 10th day of the subsequent month of deduction
- To submit return within 10th day of the subsequent month of deduction

❖ Description of Work Allocated AND ACTUALLY WORK DONE by the Section Where the Intern has Worked:

As I am intern Chartered Accountant, I got work related to Handling Accounts, GST Returns and Generating Invoices. and I started learning GST and TDS Returns File & IT File generating a good knowledge about the GST Registration and TDS Registration.

After that I also started learning GST Payments, Penalties and Refund Process and Rules. and learn basic things-about it.

Assisting with research, filling, data entry, and recording and maintaining accurate and complete financial record.

Preparing financial reports, such as balance sheets and income statements, invoices, and other documents. Working with Microsoft Excel, Telly ERP 9, GST & TDS, Bookkeeping Software.

SELF-ASESSMENT:

As a intern Charterted Accountant I have learned a lots of things and gain a good knowledge about how a Charterted Accountant company works internally and some new and advance programming skills.

I have gained a sample amount of knowledge about the different software process beginning till the end, like how to get clients, how to gather requirements from the clients, how to create a rough idea about the project.

I have taken knowledge of computer and worked on different software and understood it. How to talk to the person in front, how to make them understand their work, what is my work, how to understand and so on similarly I've learned a lot this way.

Internship Report

Ву

Ms. Dinal Ranjit Rathod

"INTERN AS A WEB DEVELOPER IN SAYYAM GRAPHICS"

GUIDED BY

PROF. Prajakta Hatkar

SEAT NO: 4142408

M.Sc. (COMPUTER SCIENCE) PART- II
YEAR-2022-23

Internship Certificate

This is to certify that Ms. DINAL RANJIT RATHOD of VIVA COLLEGE Institution worked as an intern as part of her M.Sc. Course in Computer Science of University of Mumbai. The Particulars of internship are given below:

Internship Starting Date: 23rd january 2023

Internship Ending Date: 15h April 2023

Actual Number of Days Worked: 83 Days

Tentative Number of Hours Worked: 498 working hours

Broad Area of Work: Web Developer

A small description of work done by the intern during the period :

As I am intern web developer, I got work related to front end part of the website and I started learning bootstrap framework in the beginning and gain a good knowledge about the bootstrap framework. After that I also started learning nodejs and Reactjs and learn basic things-about it. Some of the websites I had to build using CMS like word press.

Signature:

Sayyam Graphics

Name: Sayyam Jain

Designation: Founder of Sayyam Graphics

Contact Number: +91 8977675678

Email: sayyamgraphics@gmail.com

Stamp and Signature of Organization Head:

Sayyam Graphics

Professional Evaluation of Intern

No.	Particular	Excellent	Very Good	Good	Moderate	Satisfactory
1.	Attandance & Functionality		Ø			
2.	Ability to work in a Team	Ø				
3.	Written and oral communication skills		Ø			
4.	Problem solving skills	Ø				
5.	Ability to grasp new concepts		\square			
6.	Technical skill in terms of technology, programming		Ø			
7.	Ability to complete the task	\square				
8.	Quality of overall work done					

Comments: Dinal Rathod's internship showcased exceptional skills in Web development and, contributing significantly to project success and demonstrating a strong commitment to continuous learning and Growth.

Signature:

Sayyam Graphics

Name: Sayyam Jain

Designation: Founder of Sayyam Graphics

Contact Number: +91 8977675678

Email: sayyamgraphic@gmail.com

Sayyam Graphics

Stamp and Signature of Organization Head:

Introduction:

Title: Intern as Web Developer in Sayyam Graphics

- ◆ Sayyam Graphics is an originally printing and graphics based company in Mumbai, India. They have professional team that offers best services in Graphics Designing, Website Development, Website Designing, Software Development, Mobile App Development at reasonable prices with giving quality work done in less time. Their professional team will deliver quality business websites and solutions for business requirements. Our aim is to assist you in achieving your goals and providing best solutions to your business needs.
- ◆ Their main work is related to graphic designing but recently they have started offering website development & maintenance service and other Things.It focuses on building web solutions that are scalable and performance, ensuring that the websites or web applications can handle increased user traffic and deliver optimal performance even under high loads. They employ industry best practices and follow coding standards to ensure stability and efficiency.
- ◆ As I am intern web developer, I got work related to front end part of the website and I started learning bootstrap framework in the beginning and gain a good knowledge about the bootstrap framework. After that I also started learning nodejs and Reactjs and learn basic things-about it.Some of the websites I had to build using CMS like word press.
- ◆ Dinal R Rathod, pursued a 12-week internship program as a Web Developer at Sayyam Graphics. During the internship, I was trained in various frontend concepts, techniques, and tools that are commonly used in the industry.
- ◆ Overall, the internship program was a great learning experience for me. I gained practical knowledge in web programming, software development process, and various tools used in the industry. The projects that I worked on helped me to develop problem-solving skills and gave me exposure to real-world problems scenarios.

Description of the Organization:

- ◆ Sayyam Graphics is an originally printing and graphics based company in Mumbai, India. They have professional team that offers best services in Graphics Designing, Website Development, Website Designing, Software Development, Mobile App Development at reasonable prices with giving quality work done in less time.
- ◆ Their professional team will deliver quality business websites and solutions for business requirements. Our aim is to assist you in achieving your goals and providing best solutions to your business needs. Their main work is related to graphic designing but recently they have started offering website development & maintenance service and other Things.
- What company do in web development is they take project from these freelancing website where all the clients are posting their and our team work on that project and complete it within deadline. Apart from these we have worked for various local clients and made website for them.Company is involved in main Graphic Designing and printing related work they design logo for other brand, banners, Holdings, printing Books.



- ♦ There web developers are experienced in working with a range of technologies and frameworks commonly used in web development. This may include HTML, CSS, JavaScript, React, Angular, Vue.js, Node.js, Python, PHP, Java, .NET, and others.
- ◆ Their web development solutions according to the specific needs of clients. They work closely with clients to understand their requirements, provide recommendations, and create custom web applications, websites, and e-commerce platforms that align with their business goals.
- ◆ Their Email address is sayyamgraphic@gmail.com and its registered address is Office No.29, Shakti CHSL, Behind Kalyani Hospital, M.B.Estate, Virar West -401303

Description of the Activities done by the intern has worked

- ◆ During the internship at Sayyam Graphics, Dinal Ranjit Rathod worked as a Web Developer. The internship was divided into 12 weeks, with the first week being a training period and the subsequent weeks involving practical work as an intern. The activities included working on real-world projects, collaborating with the team, and applying Web programming and Projects skills to solve problems and queries.
- ◆ Dinal Ranjit Rathod, pursued a 12-week internship program as a Web Developer at Sayyam Graphics. During the internship, I was trained in various Frontend concepts,Framework techniques, and tools that are commonly used in the industry. The internship program commenced on 23rd january 2023 and ended on 15h April 2023. The first week of the internship was a training period, where I was given an overview of the company's policies, tools, and technologies used. During this period, I also learned Frontend concepts such as basic HTML, CSS, and their Frameworks.
- ◆ From the second week onwards, I learned about javascript and project assignement work done. The following detailed report of the work I completed during each week of my internship is shown in activities. During 2 week, I was assigned to work on a project that involved fronted functionalities using HTML, CSS and their frameworks. The project required me to do some tasks and submitted on time. I worked on a project that involved frontend designing and using their respective frameworks for more functionality.
- ◆ The project required me to make frontend tasks and make website for better looking and performance. During 4 week, I was assigned to work on a project that involved web application using HTML,CSS and Javascript. The project required me to create buttons, navbar and about database management and web hosting.
- ◆ During this week, I worked on a project that involved wordpress and CMS and learned how to develop and customize wordpress themes. The project required me to perform simple wordpress login techniques. I worked on a project that involved this things and I have completed my tasks and with their respective assignments on time for more growth.
- Overall, the internship program was a great learning experience for me. I gained practical knowledge in Web programming, Framework techniques, and various tools used in the industry. The projects that I worked on helped me to develop problem-solving skills and gave me exposure to real-world project analysis scenarios.

Description of Work allocated and done by intern

As I am intern web developer, I got work related to front end part of the website and I started learning bootstrap framework in the beginning and gain a good knowledge about the bootstrap framework. After that I also started learning nodejs and Reactjs and learn basic things-about it. Some of the websites I had to build using CMS like word press.

Week 1: Training Period

- Gained an understanding of Web programming concepts and their Frameworks techniques.
- Completed exercises and assignments on Time.

Week 2: Framework Functionality & Responsive Design

- Training attended and learned about JavaScript functionalities Techniques.
- Learned about Responsive Design Techniques using media queries and viewport meta tags.
- Engaged in project discussions with the team to understand project requirements.

Week 3: Working on Projects Tasks/Assignments using previous Technologies

- Started working on project assignment and created layout using HTML and CSS.
- Fixes some issues and added some more functionality using framework in it.
- Participated in client meetings to provide project updates.

Week 4: Database Management & CMS Wordpress

- Learned about database management systems and SQL worked on creating simple database and querying data.
- Working on creating a simple word press website.

Week 5: Building static websites using HTML and bootstrap

- Designed and implemented static website.
- Implemented more tasks in it and more functionality in it using technologies.
- participated in client meetings to provide project updates.

Week 6: React JS and Project assignments of it.

■ Understanding Reactjs library and their components & started working assignment on it.

- Conducted bug fixing and testing to ensure the projects' stability.
- Collaborated with the team on project presentations and documentation.

Week 7: NodeJs, Express Js and building applications

- Learned about Node.js and its role in web development
- Learned about Express.js framework and its features.
- Participated in project wrap-up activities and collaborated on closing tasks.

Week 8: Mongodb and project assignment

- Learned about Mongodb NoSql database and its features
- Building a simple web application with express.js and mongodb
- Collaborated with the team on project presentations and documentation.

Week 9: worked on projects and practical knowledge with hands-on experience

- Created a simple portfolio website using HTML,CSS,JavaScript.
- Made the website responsive and more functionality in it.

Week 10: worked on projects and practical knowledge with hands-on experience

- The second project assigned to me.
- Created front end using EJS templates and bootstrap framework.
- Integrated stripe payment gateway for secure online payments.

Week 11: worked on projects and practical knowledge with hands-on experience

- The Third project assigned to me.
- Created online quiz application using react.js an firebase.
- Upcoming module discussion.

Week 12: Final Project Presentation and Conclusion

- Collaborated with the team to finalize the project and ensure all deliverable were met.
- Prepared and delivered a comprehensive project presentation to showcase the outcomes and achievements.

Internship Weekly Report [23rd january 2023 - 15h April 2023]

Complete Report of 12 weeks: Week - 1 Introduction about organization & HTML,CSS,Bootstrap Functionalities Name the Topic/Module Day Remark Date Completed Got Familiar with the Introduction to the MONDAY work Company company's and Web Development. culture and 23/01/2023 technologies used in Web Development. Installed required Set up development WEEK TUESDAY software tools for Environment. NO. 24/01/2023 development. Training Attended. Learned about the Learned HTML Basics. Basic concepts of HTML WEDNESDAY 25/01/2023 Editors. Lists, Tables, Forms, Inpu types,Attributes, HTML Images Etc. THURSDAY 26/01/2023 Republic Day Holiday. Learned CSS Basics and **Learned Basic Concepts** FRIDAY Advanced Topics. Of CSS Styling - Inline 27/01/2023 CSS External CSS , Internal CSS. CSS Advanced topics Included. How to use that and Learned About the importing bootstrap SATURDAY Bootstrap CSS 28/01/2023 then bootstrap Grids, Framework buttons, Tables, Panels, drop down Etc. Seal of the College Signature of Faculty mentor

Week - 2 Introduction about JavaScript Functionalities & Responsive Design

	Daý	Date	Name of the Topic/Module Completed	Remark
	MONDAY	30/01/2023	Training attended. Learned JavaScript Modules.	Learned about JavaScript for client side scripting. JavaScript variables, data types, and Control structures etc.
WEEK NO.	TUESDAY	31/01/2023	Manipulation of DOM.	Learned how to Manipulate the Document object Model(DOM) using JavaScript.
	WEDNESDAY	01/02/2023	Responsive Design Techniques.	Learned about Responsive Design Techniques using media queries and viewport meta tags.
	THURSDAY	02/02/2023	JQuery & Features.	Learned about jQuery Library and its Features.
	FRIDAY	03/02/2023	JavaScript Concepts.	JavaScript - Events, Regular Expressions, Functions , Bit-wise operations etc.
	SATURDAY	04/02/2023	AJAX & Fetching data.	Practiced using AJAX to fetch data from external sources.

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Week - 3 working on project/Tasks/Assignment using previous Technologies

	Day	Date	Name of the Topic/Module Completed	Remark
	MONDAY	06/02/2023	Project Assignment - Started working on the project assignment	created basic layout using HTML and CSS.
WEEK NO.	TUESDAY	07/02/2023	Continued working on project.	Add some Functionalities using JavaScript and bootstrap.
3	WEDNESDAY	08/02/2023	working on some more functionalities to the project	fixes some issues & adding more functionality in it.
	THURSDAY	09/02/2023	Learned about advanced HTML,CSS,JAVASCRIPT concepts.	Applied them to the project. Task Completed.
	FRIDAY	10/02/2023	Training attended.	Learned about how PHP programming Language works and its syntax etc.
	SATURDAY	11/02/2023	PHP and MySQL uses.	Learned about the basics of PHP And MySQL and how to use them for server side scripting.

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Week - 4 Introduction about database management & CMS wordpress

	Day	Date	Name of the Topic/Module Completed	Remark
	MONDAY	13/02/2023	Training Attended.	Learned about database management systems and SQL. Worked on creating a simple database and querying data.
WEEK NO.	TUESDAY	14/02/2023	Learned how to integrate PHP with MySQL and create dynamic web pages.	Worked on a simple web application. Task Completed.
	WEDNESDAY	15/02/2023	Learned about web hosting and deployment. Worked on deploying a simple web application to a hosting server.	Task Completed.
	THURSDAY	16/02/2023	Learned about WordPress and CMS.	Worked on creating a simple WordPress website.
	FRIDAY	17/02/2023	Learned how to develop and customize WordPress themes.	Worked on a custom WordPress theme.
	SATURDAY	18/02/2023	Learned how to develop WordPress plugins.	Worked on a simple WordPress plugin.

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Week - 5 Building static website using HTML and bootstrap

	Day	Date	Name of the Topic/Module Completed	Remark
	MONDAY	20/02/2023	Static Website Implementation.	Building a simple Static Website.
	TUESDAY	21/02/2023	Designed using Technologies.	Designed and created a simple web-pages.
	WEDNESDAY	22/02/2023	Implemented more tasks in it and more functionality in it using technologies.	Task Completed.
WEEK NO.	THURSDAY	23/02/2023	working on some more functionalities to the project and fixes some issues.	Task Completed.
	FRIDAY	24/02/2023	Day off for a Reason	
	SATURDAY	25/02/2023	Upcoming Module Discussions.	Discussion on next week module-upcoming tasks with supervisor.

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Week - 6 Introduction about Reactjs and project assignment of it.

WEEK NO.	Day	Date	Name of the Topic/Module Completed	Remark
	MONDAY	27/02/2023	Introduction to ReactJS. Understanding the ReactJS library	Implementing it in a web- page.
	TUESDAY	28/02/2023	Understanding ReactJS component and its types.	Implementing a webpage using ReactJS components.
	WEDNESDAY	01/03/2023	Combining ReactJS library with Bootstrap framework.	Implementing a webpage with ReactJS and Bootstrap.
	THURSDAY	02/03/2023	Project Assignment Started working on the project assignment using simple Reactis Application.	Task Completed.
	FRIDAY	03/03/2023	Successfully integrated API with Reactis.	Task Completed.
	SATURDAY	04/03/2023	Upcoming Module Discussions.	Discussion on next week module- upcoming tasks with supervisor.

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Week - 7 Introduction about Nodejs, Express is and building application.

	Day	Date	Name of the Topic/Module Completed	Remark
	MONDAY	06/03/2023	Introduction to Node.js	Learned about Node.js and its role in web development.
WEEK NO.	TUESDAY	07/03/2023	Building a Simple Node.js Application	Task Completed.
7	WEDNESDAY	08/03/2023	Practiced creating a simple Node.js application.	Task Completed.
	THURSDAY	09/03/2023	Introduction to Express.js	Learned about Express.js framework and its features.
	FRIDAY	10/03/2023	Creating Routes and Handling Requests.	Task Completed.
	SATURDAY	11/03/2023	Practiced creating routes and handling HTTP requests with Express.js.	Completed.

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Week - 8 Introduction about Mongodb and project assignment.

	Day	Date	Name of the Topic/Module Completed	Remark
	MONDAY	13/03/2023	Introduction to MongoDB.	Learned about MongoDB NoSQL database and its features.
WEEK NO.	TUESDAY	14/03/2023	Connecting Node.js and MongoDB	Task Completed.
8	WEDNESDAY	15/03/2023	Practiced connecting Node.js and MongoDB.	performing CRUD operations
	THURSDAY	16/03/2023	Building a Simple Web Application with Express.js and MongoDB	Task Completed.
	FRIDAY	17/03/2023	Project Assignment Started working on the project assignment using Express.js and MongoDB.	Task Completed.
	SATURDAY	18/03/2023	Day off for some reasons.	

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week - 9 During this period, I worked on various projects that provided me with pesign

WEEK NO. 9	Day	Date	Name of the Topic/Module Completed	Remark
	MONDAY	20/03/2023	The first project assigned to me.	Created a simple portfolio website using HTML, CSS, and JavaScript.
	TUESDAY	21/03/2023	I created a clean and minimalist design using HTML and CSS, and added interactivity using JavaScript.	Completed.
	WEDNESDAY	22/03/2023	I also made the website responsive to different screen sizes using media queries.	Completed.
	THURSDAY	23/03/2023	Implemented more tasks in it and more functionality in it using technologies.	Completed.
	FRIDAY	24/03/2023	working on some more functionalities to the project and fixes some issues.	Task
	SATURDAY	25/03/2023	Upcoming Module Discussions.	Discussion on next week module-upcoming tasks with supervisor.

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Week - 10 During this period, I worked on various projects that provided me with practical knowledge and hands-on experience in web development.

WEEK NO.	Day	Date	Name of the Topic/Module Completed	Remark
	MONDAY	27/03/2023	The second project assigned to me.	created an online store using Node.js, Express.js, and MongoDB.
	TUESDAY	28/03/2023	The online store was to have a product catalog, shopping cart, and payment gateway integration	Completed.
	WEDNESDAY	29/03/2023	I started by creating the backend using Node.js and Express.js and connected it to the MongoDB database.	Completed.
	THURSDAY	30/03/2023	I then created the frontend using EJS templates and Bootstrap framework.	Completed.
	FRIDAY	31/03/2023	I integrated the Stripe payment gateway for secure online payments.	Completed.
	SATURDAY	01/03/2023	Upcoming Module Discussions.	Discussion on next week module-upcoming tasks with supervisor

Seal of the College

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<u>Week - 11 During this period, I worked on various projects that provided me with practical knowledge and hands-on experience in web development.</u>

	Day	Date	Name of the Topic/Module Completed	Remark
	MONDAY	03/04/2023	The Third project assigned to me.	Create an online quiz application using React.js and Firebase
WEEK NO.	TUESDAY	04/04/2023	The application was to have a user authentication system, a quiz creation system, and a quiz-taking interface	Completed.
ASES NO	WEDNESDAY	05/04/2023	I started by creating the user authentication system using Firebase Authentication.	Completed.
	THURSDAY	06/04/2023	I then created the quiz creation system using Firebase Firestore and React.js components	Completed.
	FRIDAY	07/04/2023	I integrated Firebase Realtime Database for live updates and created a quiz-taking interface using React.js components.	Completed.
	SATURDAY	08/04/2023	Upcoming Module Discussions.	Discussion on next final project in hand upcoming tasks with supervisor.

Seal of the College

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Week - 12 During this period, I worked on various projects that provided me with practical knowledge and hands-on experience in web development.

	Day	Date	Name of the Topic/Module Completed	Remark
	MONDAY	10/04/2023	Final project is handed-to work.	Worked on static local client website.
WEEK NO.	TUESDAY	11/04/2023	Building Structure of website .	Added some HTML CSS Bootstrap functionalities in it.
12	WEDNESDAY	12/04/2023	Using java script Functionality.	Adding more functionalities to look decent for client side view.
	THURSDAY	13/04/2023	working on some more functionalities to the project and fixes some issues.	Completed.
	FRIDAY	14/04/2023	This project under taken with team and completed on deadline.	Completed Successfully on time.
	SATURDAY	15/04/2023	Submitted final Report of Internship.	

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Self-Assessment of Learning Outcomes:

During the internship, Dinal Ranjit Rathod demonstrated continuous learning and growth in various areas.

The self-assessment includes:

I have gained a sample amount of knowledge about the software development process beginning till the end, like how to get clients, how to gather requirements from the clients, how to create a rough idea about the project, how to start coding from scratch how to fulfill clients requirements, testing of the software from the clients and launching the software in publically. And I have also gained some new skills like photoshop, graphic designing and client management. Proficiency in Python programming and its application in real-world projects. Solid understanding of data analysis techniques and their practical implementation.

Experience in working with projects, Assignments, and deployment.Improved skills in coding, and frontend frameworks.Enhanced knowledge of database design, SQL queries, and API development.Ability to collaborate effectively within a team and present project results. Overall, the internship provided valuable hands-on experience and an opportunity to apply theoretical knowledge to practical projects, contributing to the professional growth of Dinal Ranjit Rathod as a Web Developer.

Conclusion: The internship at Sayyam Graphics as a Web Developer approved to be a rewarding experience for Dinal Ranjit Rathod. It allowed her to work on real-world projects, enhance technical skills, collaborate with a professional team, and gain insights into the field of web designing and Web development. The internship provided valuable learning outcomes and prepared Dinal for future endeavors in the tech industry.

Stamp and Signature of Organization Head

Sayyam Graphics

An Intern in Backend Development at Capgemini Technologies Pvt Ltd

Submitted in partial fulfillment of the Requirements for the

Degree of

MASTER OF SCIENCE (COMPUTER SCIENCE)

 $\mathbf{B}\mathbf{y}$

KAJAL MISHRA

Seat Number: 4142404

Under the esteemed guidance

of

Prof. Anuja Patil



DEPARTMENT OF COMPUTER SCIENCE

VISHNU WAMAN THAKUR CHARITABLE TRUST'S
BHASKAR WAMAN THAKUR COLLEGE OF SCIENCE,
YASHVANT KESHAV PATIL COLLEGE OF COMMERCE,
VIDHYA DAYANAND PATIL COLLEGE OF ARTS.

(Affiliated To University Of Mumbai)
VIRAR, 401303
MAHARASHTRA
2022-2023



Capgemini Technology Services India Limited

(Formerly known as IGATE Global Solutions Limited) No.158-162P & 165-170P, EPIP Phase II, Whitefield, Bengaluru – 560066, Karnataka India.

T: +91-80-4104-0000 | F: +91-80-4125-9090

www.in.capgemini.com

May 09, 2023

CERTIFICATE OF INTERNSHIP

This is to certify that Ms Mishra Kajal Ramsagar of Bhaskar Waman Thakur College

Science (VIVA) College/Institution worked as an intern as part of her M.Sc. course in Computer Science of University of Mumbai. The particulars of internship are given below:

Internship starting date: 13th February, 2023

Internship ending date: 06th May, 2023

Actual number of days worked: 83 days

Tentative number of hours worked: 531 Hours

Broad area of work: Working as a Backend Developer

A small description of work done by the intern during the period: Ms Kajal has developed and built several request response APIs and integrated Shiprocket API with our client websites.

Signature:

Name: Shreyam Sinha Designation: Tech Lead

Contact number: +91 8286042399 Email: shreyam.sinha@capgemini.com

Shiha

*This is a signed document and does not require any seals on it.

Regd. Off.: Capgemini Technology Services India Limited, No.14, Rajiv Gandhi Infotech Park, Hinjawadi Phase Ill, MIDC – Sez, Village Man, Taluka Mulshi, Pune – 411057, Maharashtra, India. Tel: +91 .20.6699 I 000 I Fax:+91.20.6699 5050 I CIN: U85110PN1993PLC145950



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May 09, 2023

Professional Evaluation of intern

Name of intern: Mishra Kajal Ramsagar

College/institution: Bhaskar Waman Thakur College Of Science (VIVA) [Note: Give a score in the 1 to 5 scale by putting $\sqrt{}$ in the respective cells]

No	Particular	Excellent	Very Good	Good	Moderate	Satisfactory
1	Attendance & Punctuality	~				
2	Ability to work in a team	~				
3	Written & oral communication skills	\				
4	Problem Solving Skills	\				
5	Ability to grasp new concepts	~				
6	Technical skills in terms of technology, programming, etc	\				
7	Ability to complete the task	>				
8	Quality of overall work done	~				

Comments: Prompt and proficient, honest and hard-working. Committed to roles and responsibilities.

Signature:

Name: Shreyam Sinha

Designation: Tech Lead Contact number: +91 8286042399

Contact number: +91 8286042399 Email: shreyam.sinha@capgemini.com

Regd. Off.: Capgemini Technology Services India Limited, No.14, Rajiv Gandhi Infotech Park, Hinjawadi Phase Ill, MIDC – Sez, Village Man, Taluka Mulshi, Pune – 411057, Maharashtra, India. Tel: +91 .20.6699 | 000 | Fax:+91.20.6699 5050 | CIN: U85110PN1993PLC145950

^{*}This is a signed document and does not require any seals on it.

An Internship in Backend Development at Capgemini Technologies Pvt Ltd

Title

Internship on MERN and to develop Backend APIs

Introduction

- To develop and build APIs to integrate logistic service Shiprocket into the client's website and android application.
- The backend development starts by reviewing the Shiprocket API documentation provided by Shiprocket. This documentation contains detailed information about the available endpoints, request/response formats, authentication methods, and other relevant details.
- Then obtain an API key from Shiprocket, which is required to authenticate API requests. They configure the authentication mechanism, such as including the API key in the request headers, to ensure secure communication with the Shiprocket API.
- The developer sets up routes and handlers in their backend application to receive requests from the website. They map the incoming data to the appropriate format required by the Shiprocket API.
- The developer makes HTTP requests to the Shiprocket API endpoints, using libraries or frameworks available in their chosen programming language. They implement the necessary logic to handle responses from the API, including error handling and proper data parsing.
- The developer integrates the functionality to place orders with Shiprocket, allowing customers to initiate shipping requests directly from the website. They handle the response from Shiprocket to ensure successful order placement and retrieve relevant information like shipment tracking details.
- The developer implements robust error handling mechanisms to capture and handle errors that may occur during API integration. They log relevant information for debugging purposes, ensuring that any issues are identified and resolved promptly.
- The developer thoroughly tests the integration to ensure that all functionalities work as expected. They debug any issues encountered during the integration process and make necessary adjustments to ensure smooth operation.
- After the initial integration, the backend developer continues to monitor the
 integration, addressing any issues or bugs that may arise. They also stay up-todate with Shiprocket API updates and adapt the integration accordingly when
 Shiprocket introduces new features or changes to their API.

• Capgemini Technologies Pvt Ltd.



- ✓ Capgemini partners with companies to transform and manage their business by unlocking the value of technology.
- ✓ Technology shapes the way we live our lives.
- ✓ How we work, learn, move and communicate.
- ✓ That means our technology expertise, combined with our business knowledge, does more than help you transform and manage your business.
- ✓ It can help you realize a better future and create a more sustainable, inclusive world.

- Development Team (Backend)
- ➤ In this section of the organization, engineers come together to develop and build APIs according to the project requirements and specific needs from the backend.
- ➤ The development team's purpose and aim is for building and maintaining network applications.
- Additionally, it's our job to manage the data exchanged between servers and users. We create most of the back-end components and bind applications with third-party web services.
- ➤ The backend developers collaborate with front-end developers in integrating web-based applications. Their role may depend on the business requirements of a project or the company.
- > Roles include but are not limited to :
- Write clean, efficient, and reusable code
- Develop and manage server-side components
- Design and deploy high-performance applications
- Integrate server-side logic to the user-facing components built by front-end developers
- Incorporate data protection and cybersecurity measures
- Ensure that the main database and front-end requests are at their optimal performance
- Perform diagnostic tests, fix bugs, and provide technical support to users
- Document software development processes and prepare project reports
- Provide suggestions for improvement and apply them to daily tasks and processes

Description of the work allotted

- ➤ Learned about the basics javascript methodologies, NodeJS and HTTP request response APIs and the vast libraries that comes with it.
- > Studied and practised the No-SQL relational database like MongoDB and the aggregate queries and also the purpose of creating middlewares.
- ➤ Integrated Shiprocket API which is used for logistics in our project, it helps to track the products and shipments, to calcuate the shipping charges, and checking for the services available in a particular region.
- ➤ Tested all the functionalities and features of the existing project and of the Shiprocket APIs.
- Coordinated with the frontend team on how to build the components for each of the Shiprocket APIs.
- > Tested all features in the frontend application as well.
- ➤ Coordinated with the DevOps Team so that the features and functionalities are deployed to the cloud and synced to the website of the project.

	_	Date	Name of the Topic/Module	Remarks
	MONDAY	13/02/2023	Completed 1) HTTP request methods like GET, PUT, POST, DELETE, PATCH endpoints in Node JS 2) How to perform request and response and show data using Postman	Completed the tutorials and implemented the same to send data and get the response using endpoints
	TUESDAY	14/02/2023	How to fetch data from third party APIs using Axios and Fetch, Bcrypt for password security, Async Await functions in Nodejs	Researched about third party APIs and how to use that data Executed in the code successfully
Week	WEDNESDAY	15/02/2023	Studied about Mongoose library, Express, Nodemon, AJV validation on mongoose schemas	Completed the documentation provided on official websites
No. 1	THURSDAY	16/02/2023	MongoDB methods: forEach, asyncConcat, Parallel, Waterfall, Find, Map, asyncEach, Arrays	Completed documentation and implemented on code
	FRIDAY	17/02/2023	Populating two or more collections, Aggregation methods find with project, Pagination with skip and limit	Successfully executed on the code Tested and checked in the database
	SATURDAY	18/02/2023	Aggregate Pagination, find with keyword based on pagination, findOne by name and populate collections	Implemented on the code example successfully

	Day	Date	Name of the Topic/Module Completed	Remarks
	MONDAY	20/02/2023	Operations on array, get unique data, get first and last element, get the sum of all elements, get duplicate entries	Completed the execution on the code example
Week No. 2	TUESDAY	21/02/2023	How to prepare routing of data via endpoints and to send them forward to controllers and models to be executed	Studied the documentation and written code example for the same
	WEDNESDAY	22/02/2023	Preparing the mongoose schema to take input of data from user, validating the data by setting datatypes on each field	Completed the schema for all models
	THURSDAY	23/02/2023	Recursive functions, Insert data in the database using bulkwrite and insertOne, store data using chunk method	Completed writing on functions and saved the data
	FRIDAY	24/02/2023	Pagination on the chunked data first to chunk the data and then save into database using pagination	Saved data successfully Checked in Mingo database
	SATURDAY	25/02/2023	Creating Middlewares and how to use it to pass data from one endpoint to another, Validating the data that passess through	Created middleware and passed data via routing

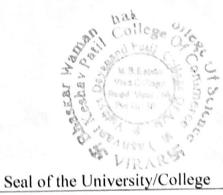
	Day	Date	Name of the Topic/Module Completed	Remarks
	MONDAY	27/02/2023	Understanding the concepts of Json Web Tokens and authentication of users	Executed jwt authentication for all users
	TUESDAY	28/02/2023	MongoDB aggregate functions and operations	Performed few mongo db operations in the mongo shell
	WEDNESDAY	01/03/2023	Saving data from one collection to another collection using map and chunk methods	Successfully stored data from one collection to another collection in Mingo
Week No. 3	THURSDAY	02/03/2023	Data should be first paginated then saved into the collection using slice, map and bulkWrite methods	Data successfully saved into the database Tested the paginated data on Postman
	FRIDAY	03/03/2023	 Studied about express async handler used in nodejs functions Documentation of how to use Git and Github for code security 	Implemented it in the existing functions Tested on postman successfully
	SATURDAY	04/03/2023	Attend an assessment based on the concepts implemented till now during training period	Successfully completed the assessment

3 =	Day	Date	Name of the Topic/Module Completed	Remarks
	MONDAY	06/03/2023	1)Project: Surat Dreams Studied about the architecture and Overview of the project	Knowledge Transfer session one completed
	TUESDAY	07/03/2023	National Holiday	NA
	WEDNESDAY	08/03/2023	1)Studied the flow of the application from one point to another 2)Tested all existing features on the application	Knowledge Transfer session two completed
Week No. 4	THURSDAY	09/03/2023	1)Setup of Node Version Manager, Node Package Manager and Yarn 2)Mingo for database 3)Postman for Testing the features locally	Setting up the environment to run the project and Installed all dependencies
	FRIDAY	10/03/2023	To study thoroughly about Shiprocket services and documentation provided by the Integration team	Studied the documentation from Shiprocket Team
	SATURDAY	11/03/2023	1)Research about the features provided by third party services 2)Selecting suitable features depending upon client requirements. 3) Axios implementation	Shiprocket APIs finalized



	Day	Date	Name of the Topic/Module Completed	Remarks
	MONDAY	13/03/2023	Finalized the features that are to	Shiprocket APIs
			be added in the project	finalized
Week No. 5	TUESDAY	14/03/2023	1)All features discussed with Project Manager and the Client 2) Registered on Shiprocket, created an API user for accessing the external APIs	Made a list consisting of the Shiprocket features to add ENV file updated with shiprocket credentials
	WEDNESDAY	15/03/2023	Put a cron for updating the token every 9 days as the shiprocket generated token expires in 10 days	Function for generating a new token every 9 days and store it in the database
	THURSDAY	16/03/2023	 API for creating orders Updating pickup location API for updating orders 	Wrote functions for the same
	FRIDAY	17/03/2023	Internal Service for checking courier serviceability according to buyer location so to improve security of the website	Created an internal service function for the same

	Day	Date	Name of the Topic/Module Completed	Remarks
	MONDAY	20/03/2023	API for updating customer delivery address API for cancel orders	Completed the function
	TUESDAY	21/03/2023	API for assigning AWB (Air Waybill Number) for the shipment of orders to uniquely identify the shipment	Completed writing the function in the model
	WEDNESDAY	22/03/2023	National Holiday	NA
Week	THURSDAY	23/03/2023	Json Web Token for authentication of user	Studied about JWT tokens and its features
No. 6			2) Studied about Axios to fetch the data from Shiprocket	
	FRIDAY	24/03/2023	1) API for request of shipment pickup (returning the order) 2) API for getting all orders that are stored or associated with the registered shiprocket account on the website	Completed writing the functions in model



	Day	Date	Name of the Topic/Module Completed	Remarks
Week No. 7	MONDAY	27/03/2023	API for getting a specific order details by specifying the order Id provided by Shiprocket	Completed writing the function and tested endpoint on postman
	TUESDAY	28/03/2023	Exporting the order details into a CSV file from the Shiprocket panel	Wrote the function to download the csv file of orders
	WEDNESDAY	29/03/2023	API to create a return order request from the buyer side in case of any discrepancy	Completed the functionality
	THURSDAY	30/03/2023	Generating AWB for return shipment and Check courier service for returning products	Completed writing both the functions in model
	FRIDAY	31/03/2023	1) Generating a manifest for the product and printing the same so user can download it 2) Generating the labels for ordered products	Completed the function and download URL tested via postman

	Day	Date	Name of the Topic/Module Completed	Remarks
	MONDAY	03/04/2023	Generate invoice of the ordered products which includes order details	Completed the functionality
Week No. 8	TUESDAY	04/04/2023	Invoice Model: made changes so to add new features of shipping cost to the existing invoice	Tested the functionality on postman successfully
	WEDNESDAY	05/04/2023	Create a multipurpose API endpoint namely to create an order, request for shipment, generate label and manifest for the same orders	Optimized three features into a single API endpoint
	THURSDAY	06/04/2023	Wrapper API for the above consisting of three functionalities	Tested the endpoint successfully on postman
	FRIDAY	07/04/2023	Create multipurpose wrapper API for AWB generation and reverse pickup of products or ordered products from buyer side	Completed the function in the model



	Day	Date	Name of the Topic/Module Completed	Remarks
	MONDAY	10/04/2023	API for creating custom order for international orders on Shiprocket	Completed the functionality and tested
	7 - G. A.		panel	on postman
	TUESDAY	11/04/2023	Endpoint for Updating order for international orders placed	Tested the function on postman successfully
	WEDNESDAY	12/04/2023	API for Checking delivery service internationally by zip code	Completed the feature and tested on postman
Week No. 9	THURSDAY	13/04/2023	Creating an endpoint for Returning an order for	Completed writing the functionality
110.5			international operation	and the second
	FRIDAY	14/04/2023	Tracking API for checking real-time tracking of the ordered	Co-ordinated with Shiprocket integration
			products 2) Separate endpoints for tracking functionality using order ID,	team for the same
		114/202	shipment ID or AWB number	



Week No. 10	Day	Date	Name of the Topic/Module Completed	Remarks
	MONDAY	17/04/2023	Optimized the tracking functionality into one function which takes either AWB, order ID or shipment	Completed the feature and called it in internal service Tested on postman successfully
	TUESDAY	18/04/2023	Create an API for adding a new pickup location address for a order	Completed writing the functionality and tested on postman
	WEDNESDAY	19/04/2023	API endpoint for getting wallet balance of the registered Shiprocket account	Tested on shiprocket panel successfully
	THURSDAY	20/04/2023	Get endpoint to get all the products associated with your Shiprocket account along with other details	Completed the feature and tested on Shiprocket panel
	FRIDAY	21/04/2023	Create an API for bulk import the products into the Shiprocket panel via csv file Make a POST api to add new products in your Shiprocket account	Successfully imported more than 500 products from a csv file

Week No. 11	Day	Date	Name of the Topic/Module Completed	Remarks
	MONDAY	24/04/2023	Make an API to get all selected channels like Amazon, Shopify, that are integrated with your Shiprocket account	Completed writing the feature in the code
	TUESDAY	25/04/2023	Functionality for the above code optimized and tested Bugs while fetching certain location while check service delivery function was called	Tested on postman successfully
	WEDNESDAY	26/04/2023	Create an API to get locality details further by putting the zipcode as input	Completed the function and tested on postman
	THURSDAY	27/04/2023	API to get account statement of your Shiprocket registered ID Create a PUT api for updating the product details inventory of Shiprocket account	Tested on Shiprocket panel
	FRIDAY	28/04/2023	API for getting all product listings associated with your Shiprocket account along with channel details Removed all consoles from the code	Checked the list of all products successfully

	Day	Date	Name of the Topic/Module Completed	Remarks
Week No. 12		01/05/2023	Holiday	NA
	TUESDAY	02/05/2023	Changes in getAllMyCart function to fetch shipping cost from Shiprocket	Completed writing the function for the same Tested on application
	WEDNESDAY	03/05/2023	Internal function calls testing features and checking data from the database Profile KYC needs to be completed from Client side in the Shiprocket website	Completed the testing of all internally called functions on the application live
	THURSDAY	04/05/2023	Created an Axios Model separately taking all parameters like Axios method to fetch data from Shiprocket Created an iOs build and android build for the application	Optimized the Axios implementation while fetching data from external APIs Tested on application successfully
	FRIDAY	05/05/2023	Order synchronization of custom channel from local database to the Shiprocket panel via API user created	Updated proper pincodes in the database for buyers and manufactures
	SATURDAY	06/05/2023	Tested all features including Axios implementation, Shiprocket functionalities, JWT updation every nine days and previous features on both iOs and Android application and website	Testing of application successfully completed

Self – Assessment

- ➤ To understand the client and project requirements and help to implement it into the codebase.
- ➤ Learned about the libraries and frameworks that are useful to the project to develop and build the APIs of request and response.
- ➤ How the MERN stack technology should be used in order to build any application in a robust and secure manner.
- Researched about the Logistic services provided by the Shiprocket team and integrating the APIs with our existing project with the help of the documentation provided by them.
- ➤ Skills on how to coordinate with the different teams, like Frontend team, DevOps Team, when explaining the backend APIs and its functions, further to make them understand and visualise the features and deploying the changes to the frontend of the application.
- To test and debug all the existing features of the application
- ➤ To work under pressure and provide the results in the mentioned timelines given by the Project Manager.

An Intern in MERN Stack Development at Capgemini Technologies Pvt Ltd

Submitted in partial fulfillment of the Requirements for the Degree of

MASTER OF SCIENCE (COMPUTER SCIENCE)

 $\mathbf{B}\mathbf{y}$

Sweta Dubey

Seat Number: 4142402

Under the esteemed guidance

of

Prof. Shweta Yande



DEPARTMENT OF COMPUTER SCIENCE

VISHNU WAMAN THAKUR CHARITABLE TRUST'S
BHASKAR WAMAN THAKUR COLLEGE OF SCIENCE,
YASHVANT KESHAV PATIL COLLEGE OF COMMERCE,
VIDHYA DAYANAND PATIL COLLEGE OF ARTS.

(Affiliated To University Of Mumbai)
VIRAR, 401303
MAHARASHTRA
2022-2023



Capgemini Technology Services India Limited

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Bengaluru – 560066, Karnataka India.

T: +91-80-4104-0000 | F: +91-80-4125-9090

www.in.capgemini.com

May 29, 2023

CERTIFICATE OF INTERNSHIP

This is to certify that Ms Dubey Sweta Santosh of Bhaskar Waman Thakur College Of Science (VIVA) College/Institution worked as an intern as part of her M.Sc. course in Computer Science of University of Mumbai. The particulars of internship are given below:

Internship starting date: 06th February, 2023

Internship ending date: 27th May, 2023

Actual number of days worked: 72 days

Tentative number of hours worked: 648 Hours

Broad area of work: Working as a MERN Stack Developer

A small description of work done by the intern during the period: Ms Sweta has developed and implemented APIs to facilitate communication between the front-end and back-end components of web applications.

Signature: Zm

Name: Rahul Pal

Designation: Project Manager

Contact number: +917770094321

Email: rahul.pal@capgemini.com

*This is a signed document and does not require any seals on it.

Regd. Off.: Capgemini Technology Services India Limited, No.14, Rajiv Gandhi Infotech Park, Hinjawadi Phase Ill, MIDC – Sez, Village Man, Taluka Mulshi, Pune – 411057, Maharashtra, India. Tel: +91 .20.6699 I 000 I Fax:+91.20.6699 5050 I CIN: U85110PN1993PLC145950



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May 29, 2023

Professional Evaluation of intern

Name of intern: Sweta Santosh Dubey

College/institution: Bhaskar Waman Thakur College of Science (VIVA)

No	Particular	Excellent	Very Good	Good	Moderate	Satisfactory
1	Attendance & Punctuality		~			
2	Ability to work in a team	✓				
3	Written & oral communication skills		~			
4	Problem Solving Skills		✓			
5	Ability to grasp new concepts	~				
6	Technical skills in terms of technology, programming, etc	~				
7	Ability to complete the task	~				
8	Quality of overall work done	~				

Comments: Prompt and proficient, honest and hard-working. Committed to roles and responsibilities.

Signature: Name: Rahul Pal

Designation: Project Manager Contact number: +917770094321 Email: rahul.pal@capgemini.com

*This is a signed document and does not require any seals on it.

Regd. Off.: Capgemini Technology Services India Limited, No.14, Rajiv Gandhi Infotech Park, Hinjawadi Phase Ill, MIDC – Sez, Village Man, Taluka Mulshi, Pune – 411057, Maharashtra, India. Tel: +91 .20.6699 | 000 | Fax:+91.20.6699 5050 | CIN: U85110PN1993PLC145950

An Intern in MERN Stack Development at Capgemini Technologies Pvt Ltd

Title

Internship on MERN and to develop Backend APIs

Introduction

- Developed several APIs using the MERN stack to enable efficient data exchange between the front-end and back-end components of web applications.
- Integrated third-party APIs, such as payment gateways or geolocation services, to enhance the functionality and user experience of software applications.
- Implemented OAuth or other authentication mechanisms to securely connect with external APIs and enable user authentication or authorization
- Utilized APIs to retrieve and display real-time data from external sources, such as weather data, financial information, or social media feeds.
- Customized and extended existing APIs to meet specific software requirements and ensure seamless integration with the application's core features.
- Collaborated with the development team to identify and evaluate suitable third-party APIs based on their compatibility, documentation, and support.
- Conducted thorough testing and debugging of APIs and integrated services to ensure smooth operation and error-free data transmission.
- Employed API monitoring and logging tools to track performance metrics, identify bottlenecks, and optimize API usage for better software performance.
- Implemented error handling mechanisms to gracefully handle API failures, timeouts, or data inconsistencies, providing users with informative error messages.
- Designed and implemented API versioning strategies to maintain backward compatibility and support future enhancements without disrupting existing functionality.

Description of the Organization

• Capgemini Technologies Pvt Ltd.



- Capgemini offers a wide range of services to clients in various industries, including financial services, manufacturing, telecommunications, and government sectors.
- Their services encompass consulting, digital transformation, technology implementation, application development, and infrastructure management, among other.

Description of the activities

Backend Development

- ➤ Backend API development refers to the creation, design, and implementation of the server-side components that power web applications and services.
- ➤ It involves building the logic and functionality that enables communication between the front-end user interface and the server or database.
- ➤ We create the APIs (Application Programming Interfaces) that enable communication between different components of the application.
- ➤ Backend APIs interact with databases or other data sources to store, retrieve, and manipulate data.

Roles included are:

- We work on writing code to handle API requests and responses.
- Integrate with databases and external services, and implement business logic.
- Define the API endpoints, data models.
- Design high-performance backend API.
- We work on creating and optimizing database schemas.
- Writing efficient queries, and ensuring data integrity and security.

Description of the work allotted

- Worked as part of a five-member team to develop an e-commerce platform using the MERN stack (MongoDB, Express.js, React, Node.js).
- Focused on implementing JWT (JSON Web Token) authentication for secure user login and authorization.
- Developed the authentication module, allowing users to register, login, and maintain their session securely.
- Implemented token-based authentication using JWT to generate and verify tokens for user authentication and authorization.
- Created endpoints for user registration, login, and logout, incorporating token generation and validation.
- Worked closely with frontend developers to integrate the authentication module into the React-based user interface.
- Developed an admin panel to manage the e-commerce platform's back-end functionalities and user permissions.
- Implemented role-based access control (RBAC) to restrict certain admin panel features based on user roles and permissions.
- Collaborated with the team to design and implement secure APIs for communication between the frontend and backend.
- Conducted thorough testing of the authentication and admin panel features, identifying and fixing any bugs or vulnerabilities.
- Ensured proper documentation of the authentication module and admin panel functionality for future reference and maintenance.

	Day	Date	Name of the Topic/Module Completed	Remarks
	MONDAY	06/03/2023	SQL features and introduction from official documentation	Completed the tutorials, basics of SQL and its features
	TUESDAY	07/03/2023	National Holiday	
Week	WEDNESDAY	08/03/2023	Setup of SQL Navigator Select and Select Distinct statements	Completed the tutorials and executed queries in navigator
No. 1	THURSDAY	09/03/2023	Where clause and Order By keyword	Implemented queries on navigator
	FRIDAY	10/03/2023	Insert Into and operators AND, OR, NOT combined with where clause	Executed on the navigator
	SATURDAY	11/03/2023	Order By keyword for	Performed operations on
	the second of the second	Reserved on a server	ascending or descending values and NULL value operator	the sql navigator for the same

	Day	Date	Name of the Topic/Module Completed	Remarks
	MONDAY	13/03/2023	Update statement and Delete statement	Implemented queries for the same
	TUESDAY	14/03/2023	Functions Min, Max, Count, Sum, Avg and LIKE operator	Implemented on navigator
	WEDNESDAY	15/03/2023	In operator combined with where clause, Between operator and alias used in tables	Completed execution on navigator
eek	THURSDAY	16/03/2023	SQL Joins: left join, right join, inner join, self join, full join, inner left join, inner right join	Executed queries for the same
	FRIDAY	17/03/2023	Union operator, GroupBy operator, Having clause and Exists clause, Case expressions	Performed queries to demonstrate the same
	SATURDAY	18/03/2023	Stored procedures, Functions, Arithmetic Operators, Bitwise Operators, Comparison Operators, Logical Operators	Completed tutorials Performed queries on navigator

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Signature of the Faculty mentor:

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	Day	Date	Name of the Topic/Module Completed	Remarks
	MONDAY	20/03/2023	Concepts of Primary Key, Foreign Key, Null Constraint, Unique constraint, Not Null constraint	Completed the documentation on the same
	TUESDAY	21/03/2023	Creating a view and performing operations, SQL Datatypes, SQL functions	Executed few on sql navigator
Week No. 3	WEDNESDAY	22/03/2023	National Holiday	*
10.3	THURSDAY	23/03/2023	To study about Nodejs, Nodemon, Mongoose, Express, MongoDb	Completed the tutorials and documentation
Ä	FRIDAY	24/03/2023	Git, GitHub for code security, Prepare schemas in mongoose	Completed the tutorials
157	SATURDAY	25/03/2023	HTTP requests like Get, Post, Put, Patch and Delete	Implemented the endpoints in postman
			To fetch data and show in postman	successfully



<u> </u>	Day	Date	Name of the Topic/Module Completed	Remarks
	MONDAY	27/03/2023	Request and response in Nodejs, how data flows from a request	Completed the tutorials and implemented to
			and how data is shown in the response, Status Codes available in Javascript	send data and get the response using endpoints
	TUESDAY	28/03/2023	MongoDB methods: forEach, asyncConcat, Parallel, Waterfall, Find, Map, asyncEach, Arrays	Executed code about third party APIs and how to use that data
	WEDNESDAY	29/03/2023	To fetch data from third party APIs using Axios and Fetch methods, Async Await functions	Completed the documentation provided on official websites
Week No. 4	THURSDAY	30/03/2023	AJV Json schema validator and Bcrypt for password security purposes in user authentication	Completed documentation and implemented on code
	FRIDAY	31/03/2023	Populating two or more collections in Nodejs, Aggregation methods find with project	on the code Tested and checked in the database
	SATURDAY	01/04/2023	To implement Redis cache and store data in the local server Callback functions and methods	Implemented on the code example successfully



	Day	Date	Name of the Topic/Module Completed	Remarks
	MONDAY	03/04/2023	How to prepare routing of data via endpoints and to send them forward to controllers and models Creating Middlewares and how to use it to pass data from one endpoint to another	Completed the execution on the code example
	TUESDAY	04/04/2023	Recursive functions, Insert data in the database using bulkwrite and insertOne, store data using chunk method	Studied the documentation and executed in mongoDB
Veek	WEDNESDAY	05/04/2023	Json Web Tokens and authentication of users Async await functions	Implemented in the code successfully using postman Executed in the code
	THURSDAY	06/04/2023	Implement Change streams in MongoDB for security of the database	example
	FRIDAY	07/04/2023	MongoDB aggregate functions and operations	Executed on mongo shell successfully
	SATURDAY	08/04/2023	Insert data into mongo collection using bulkwrite methods and applying pagination on the same data	Implemented on the code and saved data into collection

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lies.	Day	Date	Name of the Topic/Module Completed	Remarks
	MONDAY	10/04/2023	Deployed on project	KT session completed
7	8 - E - F - G - F	2 - A 1 (0)	Brief introduction about the project	
	TUESDAY	11/04/2023	Studied the architecture and	Completed the
1_1	84. p. 2000 1. h m		schemas of the project Setup of NVM, Nodemon	architecture
= 1	WEDNESDAY	12/04/2023	To understand how data flows from one point to another and to	Successfully completed
	1111	4.000	understand the logic behind each	Setting up the environment
		1	module Setup of Mongodb, Nodejs,	CHVHOLIMA
Week			Postman	
No. 6	THURSDAY	13/04/2023	Write an API in User repository for account module	Completed the function
	EDIDAY	14/04/2023	To write aggregate functions for	Completed writing the
	FRIDAY	14/04/2023	an API and applying pagination	function
			using skip and limit	Garagefully
	SATURDAY	15/04/2023	Write a condition for for the changePassword API using bcrypt	Successfully completed
		127.73	method for encryption and storing	1
			in the database	

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	Day	Date	Name of the Topic/Module Completed	Remarks
	MONDAY	17/04/2023	Putting AJV json schema validation for req body on three APIs	Completed writing the function and tested on postman
	TUESDAY	18/04/2023	AJV json schema validation for session API Testing all four APIs	Tested on postman successfully
	WEDNESDAY	19/04/2023	Convert callback functions into async await functions and test them	Completed the functionality and tested on postman
Week No. 7	THURSDAY	20/04/2023	Gave the APIs for integration in the frontend and reviewed the code for Snowflake and other functions	Completed writing all the functions Gave for integration from frontend side
	FRIDAY	21/04/2023	Researched on some methods of Arrays	Executed the array operations
	SATURDAY	22/04/2023	Convert user functions into ORM sequlize for better latency in the code	Tested the endpoint successfully on postman

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	Day	Date	Name of the Topic/Module Completed	Remarks
	MONDAY	24/04/2023	Saving data from one collection to another collection using map and chunk methods in Mongodb	Completed the functionality and saved data into database
	TUESDAY	25/04/2023	Issue related to createdAt and updatedAt datatypes in the module	Resolved the issue related to variant datatype
	WEDNESDAY	26/04/2023	Add IP whitelisting in all the session controllers for security of the data	Completed the whitelisting of all APIs
Week No. 8	THURSDAY	27/04/2023	Removed IP whitelist from the Get and Update endpoints	Tested the endpoint successfully on postman
	FRIDAY	28/04/2023	Create multipurpose API for AWB generation and reverse pickup of products or orders	Completed the function in the model
	SATURDAY	29/04/2023	Applied pagination on vendor APIs to reordering of data, used aggregate pagination	Completed writing the functionality

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	Day MONDAY	Date	Name of the Topic/Module Completed	Remarks
	TUESDAY	01/05/2023	National Holiday	
	· In the control of the control	02/05/2023	Create a cron to update the user details every week and store in the database	Saved details into the collection successfully
	WEDNESDAY	03/05/2023	Modify the callback API from Public function into a Promise function	Completed the feature and tested on postman
	THURSDAY	04/05/2023	Modify callback waterfall	Completed writing the functionality
Week No. 9	TOMEST	Mrs. Alle	function into an async await function to resolve issue of data getting delayed due to it in Snowflake	
	FRIDAY	05/05/2023	To convert json data into an Excel file format which should be downloadable to the user	Completed and integrated from the frontend
	SATURDAY	06/05/2023	Implemented authorization of tokens in few APIs for authentication of the user Stored token in the database	Completed the functionality successfully

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	Day			
	MONDAY	Date	Name of the Topic/Module	Domosto
9	·	08/05/2023	To create a To-do task list which	Remarks
			enables user to add new tasks, edit them and delete them	Completed reading the documentation
	TUESDAY	09/05/2023	Created a router for routing the data to the controllers	Completed router module
	WEDNESDAY	10/05/2023	Created controller module including APIs which will create	Completed writing the code for the same
Week No. 10	54 S.5. X	to ite.	new tasks, edit the tasks and delete the tasks	code for the same
	THURSDAY	11/05/2023	Created a middleware to pass and validate the input data	Middleware validated and tested
	FRIDAY	12/05/2023	Created a model including async functions to add new task, edit tasks and delete tasks	Completed writing the functionality for the same
	SATURDAY	13/05/2023	- sps. 1 games as surema, for	-, -,

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	Day	Date	Name of the Topic/Module Completed	Remarks
	MONDAY	15/05/2023	Studied the documentation of Snowflake and ORM sequelize	Completed studying the documentation
	TUESDAY	16/05/2023	Implemented CRUD in API using ORM sequelize.	Completed API For Create and Read data
	WEDNESDAY	17/05/2023	Implemented Update and Delete API using ORM sequelize.	Completed API For update and delete data
Week No. 11	THURSDAY	18/05/2023	Implement Notification system to different level of users in the project	Researched and completed documentation
110.11	FRIDAY	19/05/2023	Created a mongoose json schema for Notification model	Completed schema
	SATURDAY	20/05/2023	Created controller including function for saving notification, get all notifications and mark as read notification	Completed the code for controllers

20/05/23

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	Day	Date	Name of the Topic/Module Completed	Remarks
	MONDAY	22/05/2023	Created a model to save notification associated with user and to get notification count	Completed the code for model
	TUESDAY 23/05/2023 Created a		Created an internal service for notifications to be received from	Completed internal service format
-	WEDNESDAY	24/05/2023	Created a route for notification for routing the data to controllers inside the internal service	Added router code to the internal
eek	THURSDAY	25/05/2023	Created two separate controllers for getAll notification and getMain notification for different access level users in an organization	Completed the functionality
	FRIDAY	26/05/2023	To test all scenarios for notifications and previous features	Tested on postman successfully
	SATURDAY	27/05.2023	Made an android and ios build for the project and tested on the application as well	Testing on application succeeded

27/05/23

Self – Assessment

- Collaborated with the client to comprehend their requirements and effectively translate them into the project's codebase.
- Acquired knowledge about relevant libraries and frameworks essential for developing and constructing robust APIs to handle request and response mechanisms.
- Demonstrated proficiency in utilizing the MERN stack technology to ensure the development of secure and resilient applications.
- Demonstrated excellent coordination skills while collaborating with different teams such as the frontend and DevOps teams, effectively explaining backend APIs and their functionalities. Additionally, facilitated their understanding of the features and assisted in deploying changes to the frontend of the application.
- Performed comprehensive testing and debugging of all existing features within the application.
- Thrived under pressure, delivering results within the specified timelines assigned by the Project Manager.

Conclusion

Through my internship in MERN stack technology, I gained valuable experience creating multiple APIs and integrating third-party APIs to augment software features. This hands-on opportunity allowed me to enhance my skills in building robust and scalable applications. The exposure to working with APIs and third-party services broadened my understanding of software development and the importance of leveraging external resources. Overall, the internship provided a solid foundation in MERN stack development and equipped me with practical knowledge to contribute effectively to future software projects.

Internship Report

By

Mr.VIGHNESH KUMAR SUSHIL KUMAR DUBEY

"INTERN AS FRONTEND DEVELOPER AT FingerTips System"GUIDED

BY

PROF. SHWETA YANDE

M.Sc. (COMPUTER SCIENCE) PART- II

YEAR-2022-23

Internship Certificate

This is to certify that Mr. VIGHNESH KUMAR SUSHIL KUMAR DUBEY of VIVA COLLEGE Institution worked as an intern as part of her M.Sc. Course in Computer Science of

University of Mumbai. The Particulars of internship are given below:

Internship Starting Date: 20th February 2023

Internship Ending Date: 12th May 2023

Actual Number of Days Worked: 56

Tentative Number of Hours Worked: 486

Broad Area of Work: FrontEnd developer

A small description of work done by the intern during the period:

I get the chance to broaden my WEB development team building and leadership skills as an intern will include fixing bugs and errors designing website layouts designing email marketing campaigns and collaborating on different projects front and developers use HTML,CSS, JavaScript to build the client side of a website here I have done the visual elements on a page such as the layouts buttons forms and other features that user will see an interact with when they visit a web page...

Professional Evaluation of Intern

Signature:

Name: Yash Prajapati

Designation: Technical Lead Contact Number: 7710087750 Email: yashp200@gmail.com

Stamp and Signature of Organization Head:



No.	Particular	Excellent	Very Good	Good	Moderate	Satisfactory
1.	Attandance & Functionality					
2.	Ability to work in a Team					
3.	Written and oral communication skills					
4.	Problem solving skills					
5.	Ability to grasp new concepts					
6.	Technical skill in terms of technology, programming					
7.	Ability to complete the task					
8.	Quality of overall work done					

Comments: Vighnesh kumar dubey showcased exceptional skills in FrontEnd developmentand contributing significantly to project success and demonstrating a strong commitment to continuous learning and Growth.

Signature:

Name: Yash Prajapati

Designation: Technical Lead Contact Number: 7710087750 Email: yashp200@gmail.com

Stamp and Signature of Organization Head:



Joseph Jordan

Internship letter of Vighnesh sushil dubey

Title: Intern as FrontEnd developer

Introduction: This internship report provides a comprehensive overview of the internship experience of vighnesh kumar sushil kumar dubey at FingerTips System. The report covers the period from 20th February 2023 to12th May 2023. The report includes a description of the organization, details about the activities undertaken during the internship, a summary of the tasks completed, and a self-assessment of the intern's learning outcomes.

Description of the Organization: FingerTips System is a renowned organization in the field of coding and programming education. It offers various courses and training programs to help individuals develop their coding skills and pursue a career in the tech industry. The organization focuses on providing hands-on experience and practical knowledge to students and professionals.

Description of the Activities: During the internship at FingerTips SystemVighnesh sushil dubey worked as a FrontEnd developer The internship was divided into 12 weeks, with the first week being a training period and the subsequent weeks involving practical work as an intern. The activities included workingon real-world projects, collaborating with the team

Description of Work allocated & Tasks Completed:

The following table provides a week-by-week overview of the tasks completed be vighnesh kumar sushil kumar dubey during the internship:

Week 1:

- Gained an understanding techniques of FrontEnd.
- Completed exercises and assignments on time.

Week 2:

- Engaged in project discussion with the team to understand project requirements.
- Implemented new features in front and based on user requirement.
- Completed documentation for one module

Week 3:

- Worked on optimising frontEnd performance.
- Implemented new UI using react JS.
- Participated in client meetings to provide project updates..retrieval and manipulation.

Week 4:

- Assisted with integration of payment gateway module. login and
- Collaborated with marketing team to implement tracking pixel.

Work on improving database performance and scalability.

Week 5:

- Worked on integrating third party API for SMS notifications.and
- Worked on improving FrontEnd performance.
- Worked on the error handling and logging.

Week 6:

- Worked on optimizing database schema and indexing.
- Collaborated with design team to implement New UI features..
- Improved API documentation and automated testing.

Week 7:

- Worked on implementing new search feature.
- Improved error handling an implemented better response codes.
- Prepared detailed task list for next week.

Week 8:

- Work on implementing new admin dashboard. Designed
- Improved API documentation and automated testing.
- Reviewed project progress and set goals for upcoming week.

Week 9:

Work on optimising back end performance. Collaborated with design team to implement new UI features. Reviewed project progress set goals for upcoming week.

Week 10:

Worked on implementing new social media sharing feature. Reduced query response time by 25%. Work on improving API security.

Week 11:

Worked on optimising front End performance. Integrated analytics with user interface Bugs and error fixes related to component

Week 12:

Conducted data export testing and resolved reported issue Developed Api for exporting data in various formats integrating data export with user interface

Self-Assessment of Learning Outcomes:

During the internship, Vighnesh kumar sushil kumar dubey demonstrated continuous learning and growth in various areas. The self-assessment includes:

Proficiency in front and languages like HTML,CSS,JavaScript and its application in real world projects.solid understanding of reacts techniques and their practical implementation. Experience in working with front and models optimization and development improved skills in data cleaning preprocessings in hands knowledge of HTML,CSS,JavaScript and API development ability to collaborate effectively within a team and present project results for all the internship provided will be able hands on experience and an opportunity to apply theoretical knowledge to practical projects contributing to the professional growth of Vignesh Kumar Sushil Kumar Dubey as front and developer intern..

Conclusion: The internship at FingerTips System as a FrontEnd developer approved to be a rewarding experience for. It allowed him to work on real-world projects, enhance technical skills, collaborate with a professional team, and gain insights into the field of frontend and Backend development. The internship provided valuable learning outcomes and prepared vighnesh for future endeavorsin the tech industry.

Stamp and Signature of Organization Head



Joseph Jagodini

An Intern in Cybersecurity program at Torm Shipping India Pvt Ltd

Submitted in partial fulfillment of the Requirements for the Degree of

MASTER OF SCIENCE (COMPUTER SCIENCE)

By

YESHWANT RAJBHAR

Seat Number: 4142407

Under the esteemed guidance

of

Prof. Prajakta Hatkar



DEPARTMENT OF COMPUTER SCIENCE

VISHNU WAMAN THAKUR CHARITABLE TRUST'S
BHASKAR WAMAN THAKUR COLLEGE OF SCIENCE,
YASHVANT KESHAV PATIL COLLEGE OF COMMERCE,
VIDHYA DAYANAND PATIL COLLEGE OF ARTS.

(Affiliated To University Of Mumbai)
VIRAR, 401303
MAHARASHTRA
2022-2023

Vishnu Waman Thakur Charitable Trust's Bhaskar Waman Thakur College of Science, Yashvant Keshav Patil College of Commerce, Vidhya Dayanand Patil College of Arts. Virar (W)-MAHARASHTRA-401303

(Affiliated to University of Mumbai)



CERTIFICATE

Roll No:	Exam Seat No:
This is to certify that	
of Completed Internship in as Prescribed by the Unive	Class has Satisfactorily ersity of Mumbai for the Year 20to 20
Internship-Guide	Head of Department
Examiner	College Stamp



Certificate of Internship

This is to certify that Mr./Ms. Yeshwant Rajdeo Rajbhar of Bhaskar Waman Thakur College of Science (VIVA) College/Institution worked as an intern as part of his/her M.Sc. course in Computer Science of University of Mumbai. The particulars of internship are given below:

Internship starting date: 13th February, 2023

Internship ending date: <u>12th May, 2023</u>
Actual number of days worked: <u>83 days</u>

Tentative number of hours worked: <u>531 hours</u>

Broad area of work: Core working member of Cybersecurity program

A small description of work done by the intern during the period:

Mr. Yeshwant Rajbhar working as Technical Security Manager, handles multiple tasks and projects defined in Cybersecurity program. He is also part of the Infrastructure Team where he is been consulted for any escalated issues as several technology subject matter expert.

Signature: _

Name: Vikas Shah

Designation: <u>Head of IT Infrastructure</u>

Contact number: <u>+91 2266407200</u>

Email: vsh@torm.com





Professional Evaluation of intern

Name of intern: Yeshwant Rajdeo Rajbhar

College/institution: Bhaskar Waman Thakur College of Science (VIVA)

[Note: Give a score in the 1 to 5 scale by putting $\sqrt{\ }$ in the respective cells]

No	Particular	Excellent	Very Good	Good	Moderate	Satisfactory
1	Attendance & Punctuality	~				
2	Ability to work in a team	~				
3	Written and oral communication skills	~				
4	Problem solving skills	~				
5	Ability to grasp new concepts	~				
6	Technical skill in terms of technology, programming etc.	~				
7	Ability to complete the task	~				
8	Quality of overall work done	~				

Comments: Mr. Yeshwant Rajdeo Rajbhar is technically strong and goes beyond providing solutions to complex issues. He is hard-working, punctual, well organized and passionate toward learning new technology.

Signature:

Name: Vikas Shah

Designation: <u>Head of IT Infrastructure</u> Contact number: <u>+91 2266407200</u>

Email: vsh@torm.com



An Intern in Cybersecurity program at Torm Shipping India Pvt Ltd

Title

Internship on Cybersecurity program

Introduction

A cybersecurity program in an organization is a comprehensive set of policies, procedures, and technologies designed to protect the organization's digital assets from cyber threats. In the context of the company i.e. Torm Shipping India Pvt Ltd, which operates in the maritime industry, implementing a robust cybersecurity program is crucial to safeguarding its critical systems and data from potential attacks.

By implementing a robust cybersecurity program, Torm can enhance its resilience against cyber threats, protect sensitive data, and maintain the trust of its customers and stakeholders in an increasingly digital and interconnected business landscape.

Description of the Organization

Torm Shipping India Pvt Ltd.



Torm Shipping India Private Limited is a private company incorporated on 18 November 1996. It is a subsidiary company which has a parent firm Torm A/S based in Copenhagen, Denmark.

Torm A/S is a world-leading specialist carrier of energy and clean petroleum products. Customers worldwide rely on Torm's fleet of product tankers to move the gasoline, naphtha, diesel, and jet fuel that keep businesses running every day. The business runs a fleet of roughly 80 modern vessels and is committed to provide customers with efficient, reliable, and safe service while also upholding safety and environmental standards.

Description of the activities

As more businesses have adopted digitalization for improved business operations, the attack surface has risen and has drawn bad actors looking to exploit it and infiltrate the network for their unethical gain.

Cybersecurity activities encompass a range of practices and measures designed to protect computer systems, networks, and data from unauthorized access, damage, or theft. These activities are crucial for safeguarding against cyber threats and ensuring the confidentiality, integrity, and availability of information. Here are some common cybersecurity activities:

- 1. **Risk Assessment:** Identifying and evaluating potential vulnerabilities, threats, and risks to the organization's information systems and assets.
- 2. **Security Policy Development:** Establishing guidelines, procedures, and rules to ensure consistent and effective security practices across the organization.
- 3. **Access Control:** Implementing measures to control and restrict access to sensitive information and resources based on user roles, permissions, and authentication mechanisms like passwords, multifactor authentication, and biometrics.
- 4. **Network Security:** Protecting the organization's network infrastructure through firewalls, intrusion detection and prevention systems, virtual private networks (VPNs), and other mechanisms to prevent unauthorized access and network attacks.
- 5. **Data Encryption:** Applying encryption techniques to protect sensitive data both at rest (stored) and in transit (being transmitted) to prevent unauthorized access or interception.
- 6. **Security Awareness and Training:** Educating employees and users about best security practices, such as strong passwords, phishing awareness, social engineering prevention, and safe internet browsing habits.
- 7. **Incident Response:** Developing and implementing plans and procedures to effectively respond to and mitigate security incidents, such as data breaches, malware infections, or system compromises.

- 8. **Vulnerability Management:** Identifying, prioritizing, and addressing vulnerabilities in software, systems, and applications through regular scanning, patch management, and vulnerability remediation processes.
- 9. **Security Monitoring and Logging:** Implementing tools and techniques to monitor network traffic, system logs, and user activities to detect and respond to suspicious or malicious behaviour.
- 10.**Disaster Recovery and Business Continuity Planning:** Creating strategies and procedures to ensure the organization can recover from a cyber incident and resume critical business operations in a timely manner.
- 11. Security Auditing and Compliance: Conducting regular audits to assess the organization's compliance with security policies, regulations, and industry standards.
- 12.**Threat Intelligence:** Monitoring and analyzing emerging cyber threats, vulnerabilities, and attack techniques to proactively implement security measures and stay ahead of potential risks.

These activities are not exhaustive, and organizations can adopt additional measures based on their specific needs, regulatory requirements, and the evolving threat landscape.

Description of the work allotted

On-boarded security consultant to analyze organization's security posture and prepare a roadmap for organization to achieve better maturity score level on security.

Follow the cybersecurity program designed to achieve agreed security posture level, which includes some of below tasks –

- 1. Remove/Minimize excessive administrative access.
- 2. Encrypt transmission of Username and Authentication credentials.
- 3. Change weak service account passwords to unique passwords.
- 4. Fix the vulnerabilities described in the technical report.
- 5. Remove end-of-life systems or implement risk reducing controls to prevent potential compromise such as isolating the systems.
- 6. Harden browser and email client configuration.
- 7. Maintain Asset Inventory information.
- 8. Etc.

And some of below important security projects –

- 1. Design and implement Active Directory tier model.
- 2. LAPS implementation.
- 3. Workstations hardening.
- 4. Servers hardening.
- 5. Domain Controllers hardening.
- 6. Implement SIEM solution.
- 7. Etc.

		Week 1	
Day	Date	Name of the Topic/Module Completed	Remarks
MONDAY	13-02-2023	 Daily CSM meeting. Cybersecurity scoping preparation. 	Go through the tasks in the project that are either in progress or is scheduled to start soon
TUESDAY	14-02-2023	 Daily CSM meeting. Cybersecurity scope discussion with Improsec. 	Quick run through of tasks in the project that should be brought up with Improsec during scoping meeting.
WEDNESDAY	15-02-2023	 Daily CSM meeting. AD tiering – Azure AD Connect. 	Implement and test tiering of Azure AD Connect server.
THURSDAY	16-02-2023	 Daily CSM meeting. AD tiering – Certificate and NPS. 	Implement and test tiering of Certificate and NPS server.
FRIDAY	17-02-2023	 Daily CSM meeting. AD tiering status meeting. 	AD tiering overview status meeting.

		Week 2	
Day	Date	Name of the Topic/Module Completed	Remarks
MONDAY	20-02-2023	 Daily CSM meeting. AD tiering – Streamline of Local admin and RDP access. 	Streamline the access granting process for Tier 0.
TUESDAY	21-02-2023	 Daily CSM meeting. Datacenter firewall rule clean- up. 	Perform regulatory firewall controls.
WEDNESDAY	22-02-2023	Daily CSM meeting. Status on security task list.	Security program status meeting.
THURSDAY	23-02-2023	 Daily CSM meeting. New firewall backup configuration and its monitoring. 	Configured and scheduled new firewall backup.
FRIDAY	24-02-2023	 Daily CSM meeting. SIEM log source review. 	Review list of devices logging to SIEM.

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Week 3				
Day	Date	Name of the Topic/Module Completed	Remarks	
MONDAY	27-02-2023	 Daily CSM meeting. Cybersecurity project status preparation. 	Prepare cybersecurity project overview.	
TUESDAY	28-02-2023	 Daily CSM meeting. Follow-up on SQL audit in SIEM. 	SQL audit logging to SIEM.	
WEDNESDAY	01-03-2023	 Daily CSM meeting. Cybersecurity project status meeting. Datacenter firewall rule cleanup. 	Cybersecurity project overview meeting. Perform regulatory firewall controls.	
THURSDAY	02-03-2023	Daily CSM meeting. AD tiering meeting.	AD tiering status meeting.	
FRIDAY	03-03-2023	 Daily CSM meeting. AD tiering - Microsoft ATA preparation. 	Documentation for tiering Microsoft ATA server.	

Week 4				
Day	Date	Name of the Topic/Module Completed	Remarks	
MONDAY	06-03-2023	 AD tiering meeting. AD tiering – Microsoft ATA. 	Implement and test tiering of Microsoft ATA server.	
TUESDAY	07-03-2023		Holiday.	
WEDNESDAY	08-03-2023	 Daily CSM meeting. Review and formatting - CSMP 2023 task list meeting. 	Review document for tasks listed in cybersecurity maturity program.	
THURSDAY	09-03-2023	 Daily CSM meeting. AD tiering meeting. 	AD tiering status meeting.	
FRIDAY	10-03-2023	 Daily CSM meeting. End of life legacy system planning. 	Brain storming session on handling end of life systems.	

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		Week No. 5	
Day	Date	Name of the Topic/Module Completed	Remarks
MONDAY	13-03-2023	 Daily CSM meeting. AOVPN project. 	First discussion on AOVPN project.
TUESDAY	14-03-2023	1) New firewall migration and cleanup task meeting.	Present analysis report of firewall rules that will help in new firewall migration project.
		2) Workstation hardening GPO change request and communication.	Create change request and inform business on implementation of workstation hardening.
WEDNESDAY	15-03-2023	1) New firewall migration task activities.	Prepare all tasks required for new firewall migration.
THURSDAY	16-03-2023	 Daily CSM meeting. gMSA account workshop from Improsec. Overview of encrypted authentication. 	Familiarization session on gMSA account. Present status on encrypted communication task.
FRIDAY	17-03-2023	 Daily CSM meeting. Workstation hardening GPO - change of target. 	Modify GPO to all users instead to specific group.

Week 6				
Day	Date	Name of the Topic/Module Completed	Remarks	
MONDAY	20-03-2023	 Daily CSM meeting. Clarification with Improsec on few cybersecurity pending tasks. 	Cybersecurity task discussion with security group.	
TUESDAY	21-03-2023	 Daily CSM meeting. Prepare Tier1 server & Tier2 workstation GPOs for Local Admin and RDP. 	Streamline the access granting process for Tier 1 and 2 systems.	
WEDNESDAY	22-03-2023	 Daily CSM meeting. Clarification with Improsec on few cybersecurity initiative tasks. 	Cybersecurity task discussion with security group.	
THRUSDAY	23-03-2023	Daily CSM meeting. Clarification with SecureDevice on SIEM deployment.	Clarification on SIEM deployment as mentioned in cybersecurity task.	
FRIDAY	24-03-2023	 Daily CSM meeting. Planning on vulnerability scanning tool implementation. DC hardening kickoff. 	Vulnerability scanning tool planning meeting DC hardening presentation.	

Week No. 7				
Day	Date	Name of the Topic/Module Completed	Remarks	
MONDAY	27-03-2023	 Daily CSM meeting. ITGC C 303 Administrator access list of servers are reviewed. 	ITGC controls for reviewing local administrator access.	
TUESDAY	28-03-2023	 Daily CSM meeting. AD tiering – SCOM. 	Implement and test tiering of Microsoft SCOM servers.	
WEDNESDAY	29-03-2023	 Daily CSM meeting. AOVPN kickoff. AD tiering – IGA. 	AOVPN kickoff meeting. Implement and test	
		,	tiering of IGA servers	
THURSDAY	30-03-2023	1) Daily CSM meeting.2) Cybersecurity task closure.	Meeting for cybersecurity task closure with PM.	
FRIDAY	31-03-2023	 Daily CSM meeting. AOVPN discussion with ITR for design and architecture. 	AOVPN architecture discussion meeting.	

Week 8				
Day	Date	Name of the Topic/Module Completed	Remarks	
MONDAY	03-04-2023	 Daily CSM meeting. Mumbai DC hardening change request and communication. 	Create change request and inform GIT on implementation of Mumbai DC hardening.	
TUESDAY	04-04-2023	Daily CSM meeting. AOVPN configuration.	Prepare AOVPN infrastructure and its configuration.	
WEDNESDAY	05-04-2023	 Daily CSM meeting. AOVPN testing. 	AOVPN testing and troubleshooting.	
THURSDAY	06-04-2023	 Daily CSM meeting. SQL - AES encryption change planning. 	Meeting on SQL communication over encrypted channel.	
FRIDAY	07-04-2023	 Daily CSM meeting. Tiering and hardening status meeting. 	Overview on AD tiering and hardening status.	

Week 9				
Day	Date	Name of the Topic/Module Completed	Remarks	
MONDAY	0-04-2023	 Daily CSM meeting. Update audit setting to enable command-line audit logging for command shells, such as Microsoft PowerShell and Bash. 	Update GPO with audit settings to log command shells.	
UESDAY	1-04-2023	 Daily CSM meeting. Mumbai DC hardening. 	Implement and test Mumbai DC hardening.	
VEDNESDAY	2-04-2023	 Daily CSM meeting. Hellerup DC hardening change request and communication. 	Create change request and inform GIT on implementation of Mumbai DC hardening.	
HURSDAY	3-04-2023	 Daily CSM meeting. AD tiering – SCCM. SQL - AES encryption change 	Implement and test tiering of Microsoft SCCM servers. Implement and test	
		testing.	AES encryption with SQL service accounts.	
RIDAY	4-04-2023	 Daily CSM meeting. AOVPN status communication. 	Status meeting on progress of AOVPN project.	
ignature of the Fa		2) AOVPN status communication.	progress of AO	

	Week 10				
Day	Date	Name of the Topic/Module Completed	Remarks		
MONDAY	17-04-2023	 Daily CSM meeting. Weak RC4 and DES analysis on service accounts discussion. 	Discussion on analysis of service accounts communicating on weak encryption.		
TUESDAY	18-04-2023	 Daily CSM meeting. Hellerup DC hardening. 	Implement and test Mumbai DC hardening.		
WEDNESDAY	19-04-2023	 Daily CSM meeting. AOVPN troubleshooting status. 	AOVPN troubleshooting with ITR.		
THURSDAY	20-04-2023	 Daily CSM meeting. Follow-up for SIEM EPS. 	Discuss options on reducing logs accumulating in SIEM.		
FRIDAY	21-04-2023	Daily CSM meeting. Rest remote DCs hardening change request and communication.	Create change request and inform GIT on implementation of rest DCs hardening.		

Week 11				
Day	Date	Name of the Topic/Module Completed	Remarks	
MONDAY	24-04-2023	Daily CSM meeting. Secure LDAP analysis configuration.	Analysis of service accounts communicating over LDAP with DCs.	
TUESDAY	25-04-2023	 Daily CSM meeting. SIEM EPS – removal of FTD syslog configuration. 	Disable dual syslog accumulating in SIEM from firewall.	
WEDNESDAY	26-04-2023	 Daily CSM meeting. Prepare server hardening batches. 	Prepare server list with batches and dates for server hardening.	
THURSDAY	27-04-2023	 Daily CSM meeting. Rest remote DCs hardening. 	Implement and test rest DCs hardening.	
FRIDAY	28-04-2023	 Daily CSM meeting. AV policy change for Citrix issue. 	Modify AV policy as per Citrix exclusion and optimize AV features.	

Week 12				
Day	Date	Name of the Topic/Module Completed	Remarks	
MONDAY	01-05-2023		Holiday.	
TUESDAY	02-05-2023	 Daily CSM meeting. Cybersecurity project status meeting. 	Cybersecurity task status meeting.	
WEDNESDAY	03-05-2023	 Daily CSM meeting. Citrix golden image with AV tool. Partial tiering of Tier1 documentation. 	Guided Citrix consultant for golden image preparation. Prepare document for partial implementation of Tier 1.	
THURSDAY	04-05-2023	 Daily CSM meeting. New email spam filter MX configuration. 	Configure new email spam filter and DNS parameters with the provider.	
FRIDAY	05-05-2023	 Daily CSM meeting. Tier1 partial tiering proposal. AOVPN status meeting. 	Presentation on Tier 1 implementation process. Follow-up meeting on AOVPN project.	
Signature of the	Faculty mento	r: Xia 3	Coiles Of	

Week 13				
Day	Date	Name of the Topic/Module Completed	Remarks	
MONDAY	08-05-2023	 Daily CSM meeting. End of life legacy system discussion. 	Follow-up meeting on end of life systems.	
TUESDAY	09-05-2023	1) AZ-900 training.	Microsoft training on AZ-900.	
WEDNESDAY	10-05-2023	 Daily CSM meeting. Service account cleanup planning. 	Walkthrough on weak service accounts cleanup sheet.	
THURSDAY	11-05-2023	 Daily CSM meeting. First batch of server hardening rollout. 	Implement and test first POC batch for server hardening.	
FRIDAY	12-05-2023	 Daily CSM meeting. Follow-up on SIEM EPS. 	Follow-up on EPS statistics to understand impact after removal of FTD syslog.	

Self – Assessment

- 1. **Network Security:** Assessed the security of your network infrastructure, including firewalls, routers, switches, and wireless networks. Reviewed network configurations, access controls, and network monitoring practices.
- 2. **Endpoint Security:** Evaluated the security measures in place for endpoint devices such as desktops, laptops, and mobile devices. Assessed the effectiveness of antivirus software, encryption mechanisms, and patch management processes.
- 3. Access Control: Reviewed access control mechanisms and user management practices. Assessed the strength of password policies, multi-factor authentication implementation, and user privilege management.
- 4. **Data Protection:** Evaluated the measures in place to protect sensitive data. Assessed encryption practices, data backup processes, and data classification policies.
- 5. **Incident Response:** Assessed the preparedness and effectiveness of your incident response plan. Reviewed procedures for detecting, reporting, and responding to security incidents. Evaluated postincident analysis and improvement processes.
- 6. **Security Awareness and Training:** Evaluated the level of cybersecurity awareness among employees. Assessed training programs, phishing simulations, and other awareness initiatives. Identified gaps and areas for improvement.
- 7. **Physical Security:** Reviewed physical security controls, such as access controls to facilities, server rooms, and datacentres. Evaluated measures for securing physical assets, including servers, storage devices, and networking equipment.
- 8. Compliance and Regulatory Requirements: Evaluated the organization's compliance with relevant industry regulations and data protection laws. Assessed the effectiveness of processes for monitoring and maintaining compliance.
- 9. **Security Incident and Event Logging:** Reviewed the logging and monitoring practices in place for security events. Assessed the effectiveness of log management, log analysis, and monitoring tools.
- 10.**Business Continuity and Disaster Recovery:** Evaluated the organization's plans and procedures for business continuity and disaster recovery. Assess the backup and recovery processes for critical systems and data.

11. **Security Governance:** Assessed the effectiveness of security governance practices, including policies, procedures, and accountability structures. Reviewed roles and responsibilities for cybersecurity and the involvement of executive management.

CONCLUSION:

While working on Torm's cybersecurity program, I have gained a solid foundation in understanding and implementing security measures to protect systems, networks, and data. This program has developed my skills to assess vulnerabilities, respond to incidents, and enforce best practices to mitigate cybersecurity risks. It has also uplifted my technology skills with different security tools, security architecture designing etc. and few soft skills like collaboration, communication, continuous learning etc.

Signature:

Name: Vikas Shah

Designation: <u>Head of IT Infrastructure</u> Contact number: +91 2266407200

Email: vsh@torm.com







Certificate of Completion

is awarded to

Mr.Sagar Tavanoji

For successfully enrolling into and completing the

Industrial Exposure Training at

Four Seasons Hotel Mumbai in the

Core Operational Departments from

May 16, 2022 - October 15, 2022.

Nabadlalaba ***

Nabeel Paloba

Assitant Director of People & Culture



AIRPORT TRANSIT HOTEL & LOUNG TERMINAL 2, MUMBAI

Certificate of Internship

This Certificate present to, Sahil Jaiswar

Student of Training Ship Viva College

On successful completion of Internship program In

Front Office, Housekeeping, F & B Service & F & B Production Department

From: May 15, 2022, to Oct 15, 2022

We wish him success in his future career

Prachi Thakur HR & Training Manager

Sunil Grover General Manager



Date: 15th October 2022.

Industrial Training Certificate

To whomsoever it may concern

This is to certify that Ms. Sayali Gowale from Viva College Virar Mumbai has undergone Industrial Training with us in the following department with effect from 16th May 2022 to 15th October 2022.

- Housekeeping
- FIB Service
- Food Production
- Front Office

During her training period, we have found her to be satisfactory.

We wish her all the best in her future endeavors.

For Residency Sarovar Portico, Mumbai (A Unit of Resiplex Hospitality & Developers Pvt. Ltd)

Dhananjay Vishwakarma

Executive Assistant Manager

RESIDENCY SAROVAR PORTICO

A Unit of Resiplex Hospitality & Developers Pvt. Ltd.

Address: Opp. Techniplex Complex, Off S.V. Road, Goregaon (West), Mumbai - 400 062. Tel: +91 (22) 42871000 / 28781100 Fax: +91 (22) 42871050 Email: residency@sarovarhotels.com www.residencysarovar.com www.sarovarhotels.com Toll Free: 9338 000 049

Certificate of Training

This is to certify that

7	E
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E.	101
5	3 ==

LUXURY

ATTY MAHBUHS : SHUBHAM VAITY

Student of

VIVA COLLEGE.

Attendance HOOD & BEVERAGE - PRODUCTION, FRONT OFFICE Departments trained in Food & BEVERAGE - SERVICE HOUSEKEEPING Collection Botel, Mumbai from 16"MAY-2022 has successfully undergone the Industrial Training at ITC Maratha - A Luxury 151 number of days present out of to 16"-0croses-2022. 153

curriculum requirements This Training was provided in part of fulfilment of educational course

We wish the very best for his / her future endeabours.

Training Manager

Milbolhishandy

General Manager



SAHARA HOSPITALITY LIMITED

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Shubhrato Sawant student of Viva College of Hotel Management has successfully completed his Industrial Training at Hotel Sahara Star from 15th May 2022 to 15th October 2022.

During the course of the training, his performance was found to be Good.

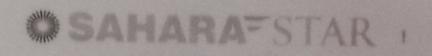
We wish him all the very best for all his future endeavors.

Congrahdations!

For Sahara Hospitality Cimited,

Karishma Raghu day

Manager - Training and Recruitment



SAHARA HOSPITALITY LIMITED

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Siddhi Patil student of Viva College of Hotel Management has successfully completed his Industrial Training at Hotel Sahara Star from 15th May 2022 to 15th October 2022.

During the course of the training, his performance was found to be Good.

We wish him all the very best for all his future endeavors.

Congratulations!

For Sahara Hospitality Limited,

Karishma Rashuvanshi

Manager - Training and Recruitment

Certificate of Training

This is to certify that



General Manager

Mr / Ms: HIMANSHU SINGH.	LUXU
Student of	_
VIVA COLLEGE.	
has successfully undergone the Industrial Training at ITC Maratha - A Luxur	
Collection Hotel, Mumbai from 16-May - 2022 to 16-000088 - 2022	Ŗ
Bepartments trained in FOOD & BEVERAGE - SERVICE FRONT OFFICE.	
FOOD & BEVERAGE - PRODUCTION, HOUSEKEEPING.	
Attendance 147. number of days present out of 153	
This Training was provided in part of fulfilment of educational course curriculum requirements.	/
We wish the very best for his / her future endeavours.	
the bisherder	

Training Manager

Taj Lands End Mumbai



This is to certify that Mr. Suraj Parmar has successfully completed his Industrial Exposure Training from 16th May 2022 to 15th October 2022.

He underwent training in Front Office, Housekeeping Food & Beverage Service and Food Production.

While on training, his performance was found to be **Excellent**.

Nakul Moghe

Learning & Development Manager

Certificate of Training

This is to certify that



Alt / Alt: SUYDG KASARE

Student of

VIVA COLLEGE.

Attendance 126 Departments trained in FOOD & BEVERAGE - SERVICE, FRONT OFFICE. HOOD & BEVERAGE - PRODUCTION. Collection Hotel, Humbai from 16世MAY-2022 to 16世OctoBer-2022. has successfully undergone the Industrial Training at ITC Maratha - A Luxury number of days present out of

curriculum requirements This Training was provided in part of fulfilment of educational course

We wish the very best for his / her future endeavours.

Mulbellichandu Training Manager

Hank-

General Manager





9665743263



🥁 dsouza swain 7 @gmail.com



LANGUAGE English, Hindi, marathi

HOBBIS To play cricket

OBJECTIVE

As a hospitality student and customer service enthusiast I am determined to learn more and develop myself in this field. I would like to broaden my horizons and work in an environment which encourages me to succeed and grow professionally where I can utilize my skills and knowledge appropriately.

REFERENCE

Ms. Pratyasha Pattnaik Training and Placement CoOrdinator, VIVA COLLEGE DEPARTMENT OF HOTEL AND TOURISM MANAGEMENT

SWAIN JAMES DSOUZA

EDUCATION

currently in third year pursuing Bachelor's of science in Hospitality studies from viva collage Department of Hotel and Tourisum Management Hsc-MGM COLLAGE SSC-LORDS CHILD HIGH SCHOOL

WORK EXPERIENCE

u Completed 5 Months Industrial Training from May 2022 till October 2022 from Nirenta Transit Hotel, Mumbai.

Worked in Departments

- n Front Office
- п Housekeeping
- п Food & Beverage Service
- n Kitchen

SKILLS

- .Polite and Humble
- .Assertive
- . Flexible with work



THE WESTIN MUMBAI GARDEN CITY

International Business Park, Oberoi Garden City, Goregaon (East), Mumbai - 400063 India

T +91.22.6147.0000 F +91.22.6147.0101

westin.com

To Whomsoever It May Concern

This is to certify that **Tanisha Salvi** from Viva College of Hotel Management has successfully undergone her Internship at the Westin Mumbai Garden City, from 16th May 2022 to 14th October 2022

During her training, Tanisha has trained in the following departments:

- F&B SERVICE
- CULINARY
- FRONT OFFICE
- HOUSEKEEPING

She was found to be sincere and diligent in her learning, and her overall performance was 'OUTSTANDING'.

(Assessment Ratings – Outstanding, Very Good, Good and Satisfactory)

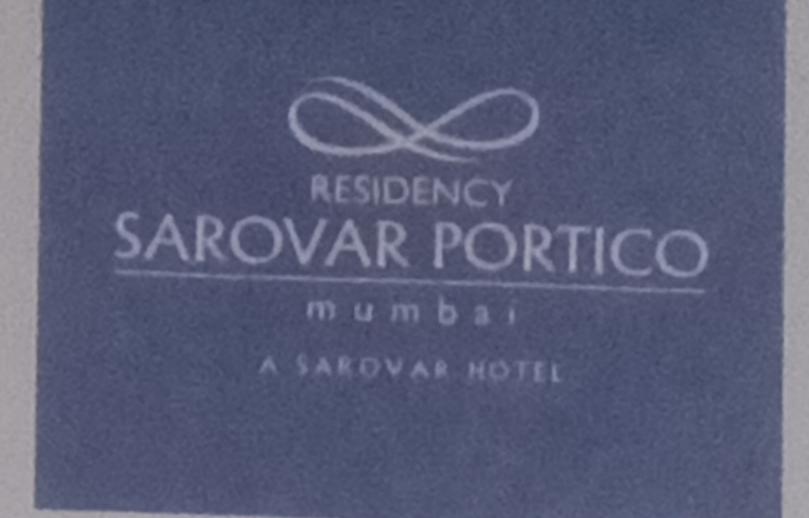
We take the opportunity to wish her all success in her future endeavors.

Yours Sincerely,

The Westin Mumbai Garden City

Shirta Mukherjee

Director of Human Resources



Date: 15th October 2022.

Industrial Training Certificate

To whomsoever it may concern

This is to certify that Ms. Vaishnavi Mopekar from Viva College Virar Mumbai has undergone Industrial Training with us in the following department with effect from 16th May 2022 to 24th September 2022.

- Housekeeping
- FIB Service
- Food Production
- Front Office

During her training period, we have found her to be satisfactory.

We wish her all the best in her future endeavors.

For Residency Sarovar Portico, Mumbai (A Unit of Resiplex Hospitality & Developers Pvt.Ltd)

Dhananjay Vishwakarma Executive Assistant Manager



SAHARA HOSPITALITY LIMITED

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Varad Mhatre student of Viva College of Hotel Management has successfully completed his Industrial Training at Hotel Sahara Star from 15th May 2022 to 15th October 2022.

During the course of the training, his performance was found to be Good.

We wish him all the very best for all his future endeavors.

Congratulations!

For Sahara Hospitality Limited,

Karishma Ragi dumishi

Manager - Training and Recruitment

Certificate of Training

This is to certify that



LUXURY

AIT / ALS: VEDANT NAIK.

Student of

Attendance 137 mepartments trained in Food & BEVERAGE - SERVICE, HOUSEKEEPING, HOOD & BEVERAGE - YRODUCTION, FRONT OFFICE Collection Hotel, Mumbai from 16" MAY - 2022 to 16" October - 2022. has successfully undergone the Industrial Training at ITC Maratha - A Luxury number of days present out of

curriculum requirements. This Training was provided in part of fulfilment of educational course /

We wish the very best for his / her future endeabours.

Training Manager

Madler General Mar

General Manager



LUXURY

Certificate of Training

This is to certify that

Mr. Vivek Kini

Student of

Viva College

Has successfully undergone the industrial training at ITC Maratha-A Luxury Collection Hotel Mumbai from 16th May 2022 to 16th October 2022.

Departments trained in Food & Beverage Production and Learning Service Development.

Attendance 145 number of days present out of 153 days.

This training was provided in part of fulfilment of educational course / curriculum requirements.

We wish the very best for his future endeavors.

MARATHA MUMBA

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Shilpa Pisharoty PARTMENT

Learning & Development

Manager

Atul Bhalla

Area Manager West and East &

General Manager ITC Maratha



SAHAR, ANDHERI (E), MUMBAI 400 099, MAHARASHTRA, INDIA
T 91 22 2830 3030 - F 91 22 2830 3131
REGISTERED OFFICE: ITC LIMITED, VIRGINIA HOUSE, 37 J.L. NEHRU ROAD, KOLKATA 700 071, WEST BENGAL, INDIA
CORPORATE IDENTITY NUMBER: L16005WB1910PLC001985 VISIT US AT WWW.ITCPORTAL.COM

ITCHOTELS.IN/ITCMARATHA
LUXURYCOLLECTION.COM/ITCMARATHA



Certificate of Completion

This is to certify that Yash Santosh Bhovad

successfully completed his/her Industrial Exposure Training at

The Orchid, Mumbai - Asia's First Five Star Ecotel Hotel

From: 16 May 2022 To: 15 th October 2022

Vice President - Operations

Learning & Development Manager







Certificate of Completion

is awarded to

Mr. Yash Uchil

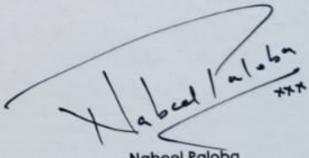
For successfully enrolling into and completing the

Industrial Exposure Training at

Four Seasons Hotel Mumbai in the

Core Operational Departments from

May 16, 2022 – October 15, 2022.



Nabeel Paloba

Assitant Director of People & Culture



THE WESTIN MUMBAI GARDEN CITY

International Business Park, Oberoi Garden City, Goregaon (East), Mumbai - 400063 India

T +91.22.6147.0000 F +91.22.6147.0101

westin.com

To Whomsoever It May Concern

This is to certify that **Karan Shukla** from Viva College of Hotel Management has successfully undergone his Internship at The Westin Mumbai Garden City, from 16th May 2022 to 14th October 2022

During his training, Karan has trained in the following departments:

- F&B Service
- Culinary
- Front Office
- Housekeeping
- Finance
- Human Resources

He was found to be sincere and diligent in his learning, and his overall performance was 'OUTSTANDING'.

(Assessment Ratings – Outstanding, Very Good, Good and Satisfactory)

We take the opportunity to wish him all success in his future endeavors.

Yours Sincerely,

The Westin Mumbai Garden City

Smita Mukherjee

Director of Human Resources



THE WESTIN MUMBAI GARDEN CITY

International Business Park, Oberol Garden City, Goregaon (East), Mumbai - 400063

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westin.com

To Whomsoever It May Concern

This is to certify that **Kartik Mondkar** from Viva College of Hotel Management has successfully undergone his Internship at The Westin Mumbai Garden City, from 16th May 2022 to 14th October 2022

During his training, Kartik has trained in the following departments:

- F&B Service
- Culinary
- Front Office
- Housekeeping

He was found to be sincere and diligent in his learning, and his overall performance was 'OUTSTANDING'.

(Assessment Ratings – Outstanding, Very Good, Good and Satisfactory)

We take the opportunity to wish him all success in his future endeavors.

Yours Sincerely,

The Westin Mumbai Garden City

Smita Mukheriee

Director of Hyman Resources



Certificate of Recognition

Awarded To

Mr. Kartik Poojari

Viva College of Hotel and Tourism Management.

For successfully completing his 'Industrial Exposure Training' with us from 16th May, 2022 -16th October, 2022.

Open

Afreen Neha Ahmed Senior Manager - Training





REF: TSACL/M/HR/(V02488)/0808

June 14, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Khushal Shailesh Jaygadkar of VIVA College of Hotel & Tourism Management Studies, Virar, underwent Industrial Training in the Production Department from April 10, 2023 to June 15, 2023.

While on training, his performance was found to be Good.

We wish Mr. Jaygadkar success in his future.

for Taj SATS Air Catering Limited,

Dinshah Anklesvaria

Assistant Manager - Human Resources



International Airport Approach Road, Sahar, Mumbai 400 099, India
1: +91 22 6705 7000 F: +91 22 6705 7013

Regd. Office: Mandlik House, Mandlik Road, Mumbai 400 001



16th June, 2022

CERTIFICATE OF TRAINING

This is to certify that Mr. Khushal Jaygadkar has undergone Industrial Training at our hotel "The Resort" from 15th May 2022 to 15th June 2022.

During this period he was provided with the opportunity to receive the training in Food and Beverage Production department. He has shown keen interest in learning the practical aspects of the Hotel Industry, and we have found him to be sincere and hardworking.

We appreciate him dedicated service with us during his tenure.

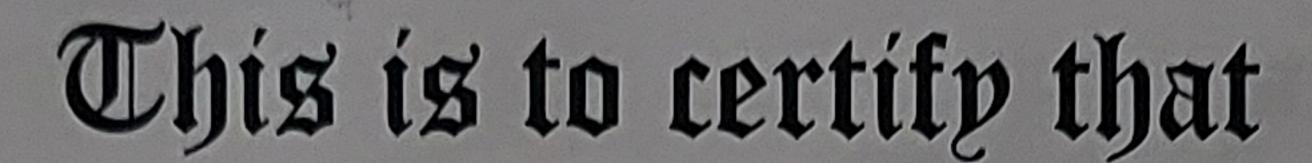
We wish him all success for his future endeavors.

For K. RAHEJA CORP. PVT. LTD.

SIMLA GRACIOUS

HUMAN RESOURCES MANAGER

Certificate of Training





THE
LUXURY
COLLECTION

MIT / MIS: KISHAN KANHAIYA SINGH.
Student of
VIVA COLLEGE.
has successfully undergone the Industrial Training at ITC Maratha - A Luxury
Collection Hotel, Mumbai from 16 th May-2022. to 16 th October-2022.
Departments trained in Food & Beverage-Service, Front Office,
FOOD & BEVERAGE - PRODUCTION, HOUSEKEEPING.
Attendance 146 number of days present out of 153.
This Training was provided in part of fulfilment of educational course /

We wish the very best for his / her future endeavours.

Training Manager

curriculum requirements.

General Manager



THE WESTIN MUMBAI GARDEN CITY

International Business Park,
Oberoi Garden City, Goregaon (East),
Mumbai - 400063
India

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westin.com

To Whomsoever It May Concern

This is to certify that Manjesh Khairiliya from Viva College of Hotel Management has successfully undergone his Internship at The Westin Mumbai Garden City, from 16th May 2022 to 14th October 2022.

During his training, Manjesh has trained in the following departments:

- F&B Service
- Front Office
- Housekeeping

He was found to be sincere and diligent in his learning, and his overall performance was 'OUTSTANDING'.

(Assessment Ratings – Outstanding, Very Good, Good and Satisfactory)

We take the opportunity to wish him all success in his future endeavors.

Yours Sincerely,

The Westin Mømbai Garden City

Smith Mukherjee

Director of Human Resources



SAHARA HOSPITALITY LIMITED

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Mayur Lade student of Viva College of Hotel Management has successfully completed his Industrial Training at Hotel Sahara Star from 15th May 2022 to 15th October 2022.

During the course of the training, his performance was found to be Good.

We wish him all the very best for all his future endeavors.

Congratulations!

For Sahara Hospitality Limited,

Karishma

Manager - Training and Recruitment



SAHARA HOSPITALITY LIMITED

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Mayur Lade student of Viva College of Hotel Management has successfully completed his Industrial Training at Hotel Sahara Star from 15th May 2022 to 15th October 2022.

During the course of the training, his performance was found to be Good.

We wish him all the very best for all his future endeavors.

Congratulations!

For Sahara Hospitality Limited,

Karishma Rahyuang

Manager – Training and Recruitment



Date: 31h Oct 2022.

Exemplary Service

Dear Mayuresh Mahale,

Today, we at "NIRANTA" take pride and walk tall when the hard work put by our Intern. When it comes to ranking on the basis of performance, we take pride in being judged best in various parameters.

We have observed that your performance has been outstanding in profession During your Internship. This has not only improved as in your personal performance but also enable better overall performance for the whole organization.

We wish to place on record our appreciation of the good manner in which you have handled the responsibilities entrusted to you. We hope that you will continue to move ahead on the path of excellence.

We truly appreciate your hard work and effort.

Thank you for your effective contribution I we hope you will continue the same.

Keep it up!!!

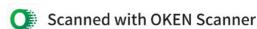
Prachi Thakur

HR & Training Manager

Niranta Airport Transit Hotel & Lounge, A Unit of International Airport Hotels & Resorts Pvt. Ltd.

Terminal 2, Chhatrapati Shivaji International Airport, Mumbai 400099

t: 491 22 6729 6729 | www.nirantahotels.com





Certificate of Internship

This Certificate present to,

Mayuresh Mahale

On successful completion of Internship program In Student of Training Ship Viva College

Human Resourses Department

front Office, Housekeeping, F & B Service & F & B Production,

From: May 15, 2022, to Oct 15, 2022

We wish him success in his future career

of the state of General Manager Sunil Grover

HR & Training Manager Prachi Thakur





Certificate of Completion

This is to certify that Nayan Charokakant Matkar successfully completed his/her Industrial Exposure Training at

The Orchid, Mumbai - Asia's First Five Star Ecotel Hotel

From: 16 May 2022 To: 15th October 2022.

Vice President - Operations

Learning & Development Manager



Certificate of Training

This is to certify that



LUXURY

Mr / Ms :	NEHAL	MARATHE.	
		Student of	
VIVA	COLLEGE		
has successi	ully undergo	ne the Industrial Trai	ning at ITC Maratha - A Luxury
Collection I	otel, Alumb	ai from 16"-MAY-202	2. to 16-0ctober-2022.
			- PRODUCTION, HOUSEKEEPING.
		& BEVERAGE - SI	
Attendance _	118	number of day	ps present out of153.
curriculum 1 We wish the	equirements. bery best for		ulfilment of educational course /
rulpa Rishaw	Jul .		A Aula
Training	Manager		General Manager





Certificate of Completion

is awarded to

Mr. Nevill Pereira

For successfully enrolling into and completing the

Industrial Exposure Training at

Four Seasons Hotel Mumbai in the

Core Operational Departments from

May 16, 2022 – October 15, 2022.

Nabeel Paloba

Assitant Director of People & Culture



SAHARA HOSPITALITY LIMITED

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Nikhil Patel student of Viva College of Hotel Management has successfully completed his Industrial Training at Hotel Sahara Star from 16th May 2022 to 16th September 2022.

During the course of the training, his performance was found to be Good.

We wish him all the very best for all his future endeavors.

Congratulations!

For Sahara Hospitality Limited,

Karishma Raghuvanshi

Manager - Training and Recruitment





Certificate of Completion

	2		
This is to certify that	Prachi	Sawardekar	has

successfully completed his/her Industrial Exposure Training at

The Orchid, Mumbai - Asia's First Five Star Ecotel Hotel

- Canal

May 2022 To: 15th October 2022

Vice President - Operations

Learning & Development Manager



Certificate of Training

This is to certify that

Mr. Pranav Patel

Student of

Viva College

Has successfully undergone the industrial training at ITC Maratha-A Luxury Collection Hotel Mumbai from 16th May 2022 to 16th October 2022.

Departments trained in Food & Beverage Service and Food & Beverage Production.

Attendance 114 number of days present out of 153 days.

This training was provided in part of fulfilment of educational course / curriculum requirements.

We wish the very best for her future endeavors.

Shipa Pechandel Shilpa Pisharoty

Learning & Development

Manager

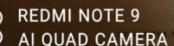
Area Manager West and East &

General Manager ITC Maratha



SAHAR, ANDHERI (E), MUMBAI 400 099, MAHARASHTRA, INDIA
T 91 22 2830 3030 - F 91 22 2830 3131

GISTERED OFFICE: ITC LIMITED, VIRGINIA HOUSE, 37 J.L. NEHRU ROAD, KOLKATA 700 071, WEST BENGAL, INDIA
CORPORATE IDENTITY NUMBER: L16005WB1910PLC001985 VISIT US AT WWW.ITCPORTAL.COM



SAHARA HOSPITALITY LIMITED

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Prathamesh Kadam student of Viva College of Hotel Management has successfully completed his Industrial Training at Hotel Sahara Star from 15th May 2022 to 15th October 2022.

During the course of the training, his performance was found to be Good.

We wish him all the very best for all his future endeavors.

Congratulations!

For Sahara Hospitality Limited,

Karishma Raghu

Manager - Training and Recruitment



THE WESTIN MUMBAI GARDEN CITY

International Business Park, Oberoi Garden City, Goregaon (East), Mumbai : 400063

T +91.22.6147.0000 F +91.22.6147.0101

westin.com

To Whomsoever It May Concern

This is to certify that **Praveer Mistry** from Viva College of Hotel Management has successfully undergone his Internship at The Westin Mumbai Garden City, from 16th May 2022 to 14th October 2022

During his training, Praveer has trained in the following departments:

- F&B Service
- Culinary
- Front Office
- Housekeeping

He was found to be sincere and diligent in his learning, and his overall performance was 'OUTSTANDING'.

(Assessment Ratings – Outstanding, Very Good, Good and Satisfactory)

We take the opportunity to wish him all success in his future endeavors.

Yours Sincerely,

The Westin Mumbai Garden City

Smita Mukherjee

Director of Human Resources



THE WESTIN MUMBAI GARDEN CITY

International Business Park, Oberoi Garden City, Goregaon (East), Mumbai - 400063 India

T +91.22.6147.0000 F +91.22.6147.0101

westin.com

To Whomsoever It May Concern

This is to certify that **Parvez Shaikh** from Viva College of Hotel Management has successfully undergone his Internship at The Westin Mumbai Garden City, from 16th May 2022 to 14th October 2022

During his training, Parvez has trained in the following departments:

- Human Resources
- F&B Service

He was found to be sincere and diligent in his learning, and his overall performance was 'OUTSTANDING'.

(Assessment Ratings – Outstanding, Very Good, Good and Satisfactory)

We take the opportunity to wish him all success in his future endeavors.

Yours Sincerely,

The Westin Mumbai Garden City

Smita Wikherjee

Director of Human Resources

SAHARA HOSPITALITY LIMITED

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Rahul Bugade student of Viva College of Hotel Management has successfully completed his Industrial Training at Hotel Sahara Star from 15th May 2022 to 15th October 2022.

During the course of the training, his performance was found to be Good.

We wish him all the very best for all his future endeavors.

I agrapulations!

For Sahara Hospitality Limited,

Karishina Raghironinshi

Manager - Training and Recruitment



LUXURY COLLECTION

Certificate of Training

This is to certify that

Mr. Raj Mishra

Student of

Viva College

October 2022. Luxury Collection Hotel Mumbai from 16th May 2022 to 16th Has successfully undergone the industrial training at ITC Maratha-A

Beverage Service, Housekeeping and Front Office. Departments trained in Food & Beverage Production, Food &

Attendance 124 number of days present out of 153 days.

This training was provided in part of fulfilment of educational course curriculum requirements.

We wish the very best for his future endeavors.

Shill alishardu ITC MARATHA MUMBAI

Shilpa Pisharbo

Manager

Learning & Development

General Manager ITC N Area Manager West and East &





Certificate of Recognition

Awarded To

Ms. Rajnandini Ghadi

Viva College of Hotel and Tourism Management

For successfully completing her 'Industrial Exposure Training' with us from 16th May, 2022 to 16th October, 2022.

Ohr-

Afreen Neha Ahmed

Senior Manager - Training



Date: 15th October 2022.

Industrial Training Certificate

To whomsoever it may concern

This is to certify that Ms. Riddhi Waghela from Viva College Virar Mumbai has undergone Industrial Training with us in the following department with effect from 16th May 2022 to 15th October 2022.

- · Housekeeping
- F&B Service
- Food Production
- Front Office

During her training period, we have found her to be satisfactory.

We wish her all the best in her future endeavors.

For Residency Sarovar Portico, Mumbai (A Unit of Resiplex Hospitality & Developers Pvt.Ltd)

Dhananjay Vishwakarma Executive Assistant Manager

RESIDENCY SAROVAR PORTICO

A Unit of Resiplex Hospitality & Developers Pvt. Ltd.

Address : Opp. Techniplex Complex, Off S.V. Road, Goregaon (West), Mumbai - 400 062. Tel: +91 (22) 42871000 / 28781100 Fax : +91 (22) 42871050 Email: residency@sarovarhotels.com www.residencysarovar.com www.sarovarhotels.com Toll Free: 9338 000 049

Regd. Office: 4th floor, Techniplex - I. Techniplex Complex. Off Veer Savarkar Flyover, Goregaon (West), Mumbai - 400 062.

Tel: +91 (22) 43660000 Fax: +91 (22) 43660040 Email: info@balwagroup.com CIN: US5101MH2006PTC166306



LUXURY COLLECTION

Certificate of Training

This is to certify that

Mr. Ronit Patil

Student of

Viva College

Has successfully undergone the industrial training at ITC Maratha-A Luxury Collection Hotel Mumbai from 16th May 2022 to 16th October 2022.

Departments trained in Food & Beverage Production, Food & Beverage Service and Front Office.

Attendance 111 number of days present out of 153 days.

This training was provided in part of fulfilment of educational course / curriculum requirements.

We wish the very best for his future endeavors.

Whillpalishard Tite MARATHA MUMBAI

LEARNING SERVICE DEPARTMENT Shilpa Pisharoty

Atul Bhalla

Learning & Development

Manager

Area Manager West and East &

General Manager ITC Maratha



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REGISTERED OFFICE: ITC LIMITED, VIRGINIA HOUSE, 37 J.L. NEHRU ROAD, KOLKATA 700 071, WEST BENGAL, INDIA CORPORATE IDENTITY NUMBER: L16005WB1910PLC001985 VISIT US AT WWW.ITCPORTAL.COM

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THE WESTIN MUMBAI GARDEN CITY

International Business Park, Oberos Garden City, Goregson (Essr). Murntus - 400063

T +91.22.6147.0000 F +91.22.6147.0101

WHEEL com

To Whomsoever It May Concern

This is to certify that **Rudra Patel** from Viva College of Hotel Management has successfully undergone his Internship at The Westin Mumbai Garden City, from 16th May 2022 to 14th October 2022

During his training, Rudra has trained in the following departments:

- F&B Service
- Culinary
- Front Office
- Housekeeping

He was found to be sincere and diligent in his learning, and his overall performance was 'OUTSTANDING'.

(Assessment Ratings - Outstanding, Very Good, Good and Satisfactory)

We take the opportunity to wish him all success in his future endeavors.

Yours Sincerely,

The Westin Mumbai Garden City

Smita Mukherjee

Director of Human Resources







Certificate of Recognition

Awarded To

Ms. Rushali Raut

Viva College of Hotel and Tourism Management Studies

For successfully completing her 'Industrial Exposure Training' with us from 15th May 2022 to 16th October 2022.

Ofres

Afreen Neha Ahmed

Senior Manager - Learning & Development





LUXURY

Certificate of Training

This is to certify that

Ms. Rushika Echake

Student of

Viva College

Has successfully undergone the industrial training at ITC Maratha-A Luxury Collection Hotel Mumbai from 16th May 2022 to 16th October 2022.

Departments trained in Food & Beverage Service, Food & Beverage Production, Housekeeping and Front Office.

Attendance 119 number of days present out of 153 days.

This training was provided in part of fulfilment of educational courcious courcious requirements.

We wish the very best for her future endeavors.

ITC MARATHA MUMBAI

18 NUN 2012

LEARNING SERVICE DEPARTMENT

Shilpa Pisharoty

Learning & Development

Manager

Atul Bhalla

Area Manager West and East &

General Manager ITC Maratha



SAHAR, ANDHERI (E), MUMBAI 400 099 MAHARASHTRA INDIA T 91 22 2830 3030 - F 91 22 2830 3131 REGISTERED OFFICE ITC LIMITED, VIRGINIA HOUSE, 37 J.L. NEHRU ROAD, KOLKATA 700 071, WEST BENGAL, INDIA CORPORATE IDENTITY NUMBER, L16005WB1910PLC001985, VISIT US AT WWW. 11CPORTAL.COM



ITC MARATHA

LUXURY

Certificate of Training

This is to certify that

Ms. Aaditi Andher

Student of

Viva College

Has successfully undergone the industrial training at ITC Maratha-A Luxury Collection Hotel Mumbai from 16th May 2022 to 16th October 2022.

Departments trained in Food & Beverage Service and Food & Beverage Production.

Attendance 57 number of days present out of 153 days.

This training was a wided in part of fulfilment of educational course / curriculum requirements.

We wish the very best for her future endeavors.

18 VV

DEPARTMENT

Shilpa Pisharoty

Learning & Development

Manager

Atut Bhalla

Area Manager West and East &

General Manager ITC Maratha



TENAS, AVUNCRO, J. MUMICATARIO DER MANADACHIVE, INDIA

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BEGINTERED OFFICE LICEUMEREN VIROLIVA HOUSE. IV. J. KEHMON GOAD, ITTIKATA VOR DIE WERFERMOAL INDIA
COMPONENT DE VALLE A., MARCE LICHOS MARRIEDONINEN ANDERS AT VANAM PROFINCIAL COM-

TCHOTECH-IN/TCMARATHA



Date: 15th October 2022.

Industrial Training Certificate

To whomsoever it may concern

This is to certify that Mr. Aaron Pereira from Viva College Virar Mumbai has undergone Industrial Training with us in the following department with effect from 16th May 2022 to 15th October 2022.

- · Housekeeping
- Laundry
- F&B Service
- Food Production
- Front Office

During his training period, we have found him to be satisfactory.

We wish him all the best in his future endeavors.

For Residency Sarovar Portico, Mumbai (A Unit of Resiplex Hospitality & Developers Pvt.Ltd)

Dhananjay Vishwakarma Executive Assistant Manager



This is to certify that_	Aasif	Giddigui	has
		s/her Industrial Exposure Training	at

The Orchid, Mumbai - Asia's First Five Star Ecotel Hotel

16th May 2022 To: 15th October 2022

Vice President - Operations



October 17, 2022

CERTIFICATE OF TRAINING

This is to certify that Mr. Abhinandan Saheb Bhagat student of VIVA College of Hotel & Tourism Management Studies, Virar has undergone Industrial Training at our hotel "The Resonation 16th May 2022 to 15th October 2022.

During this period he was provided with the opportunity to receive the training in various departments. He has shown keen interest in learning the practical aspects of the Hotel Industry, and we have found him to be sincere and hardworking.

We appreciate his dedicated service with us during his terrare.

We wish him all success for his future endeavors

(Attendance -1 (2/153)

FOR K. RAHEJA CORP. PVT. LTD.

SIMLA GRACIOUS

HUMAN RESOURCES MANAGER

Certificate of Training

This is to certify that



TUXURY Cottaction	RY
Student of	
VIVA COLLEGE.	
las successfully undergone the Industrial Training at ITC Maratha - A Luxury	
Collection Hotel, Mumbai from 16"MAN-2022 to 16"MOCTOBER-2022.	
Bepartments trained in food & BEVERAGE - SERVICE, HOUSEKEEPING,	
FOOD & BEVERAGE - PRODUCTION FRONT OFFICE.	
Attendance 124 number of days present out of 153.	

curriculum requirements. This Training was provided in part of fulfilment of educational course /

We wish the very best for his / her future endeavours.

Training Manager

Millow Widowall

General Manager



The Orchid, Mumbai - Asia's First Five Star Ecotel Hotel

16 May 2022 To: 15th October 2022

Now Mr.

Vice President - Operations



Date: 15th October 2022.

Industrial Training Certificate

To whomsoever it may concern

This is to certify that Mr. Aman Gawad from Viva College Virar Mumbai has undergone Industrial Training with us in the following department with effect from 16th May 2022 to 15th October 2022.

- Housekeeping
- Laundry
- FeLB Service
- Food Production
- Front Office
- Stores

During his training period, we have found him to be satisfactory.

We wish him all the best in his future endeavors.

For Residency Sarovar Portico, Mumbai (A Unit of Resiplex Hospitality & Developers Pvt.Ltd)

Dhananjay Vishwakarma Executive Assistant Manager

RESIDENCY SAROVAR PORTICO

Nex. Off S.V. Road, Goregaon (West.), Mumbai - 400 062 Tel: +91 (22) 42871000 / 28781100 Fax: +91 (22) 42871050 (22) 42871050 Fax: +91 (22) 42871050 (22) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 42871050 (23) 4287100 (23) 42871000 (23) 4287100000 (23) 428710000 (23) 42871000 (23) 42871000 (23) 42871000 (23)





This is to certify that_	AniKet	Koli	has

successfully completed his/her Industrial Exposure Training at

The Orchid, Mumbai – Asia's First Five Star Ecotel Hotel

From:

16 May 2022

To:

L'October 2022

Ja Lani

Vice President - Operations

WILL







Ankit This is to certify that

has

successfully completed his/her Industrial Exposure Training at

The Orchid, Mumbai - Asia's First Five Star Ecotel Hotel

May 2022 To: 15 October 2022

Vice President - Operations



THE WESTIN MUMBAI GARDEN CITY

International Business Park, Oberol Garden City, Goregaon (East), Mumbai - 400063 India

T +91.22.6147.0000 F +91.22.6147.0101

westin.com

To Whomsoever It May Concern

This is to certify that Aryan Raut from Viva College of Hotel Management has successfully undergone his Internship at The Westin Mumbai Garden City, from 16th May 2022 to 14th October 2022

During his training, Aryan has trained in the following departments:

- F&B Service
- Culinary
- Front Office
- Housekeeping

He was found to be sincere and diligent in his learning, and his overall performance was 'OUTSTANDING'.

(Assessment Ratings - Outstanding, Very Good, Good and Satisfactory)

We take the opportunity to wish him all success in his future endeavors.

Yours Sincerely,

The Westin Mumbai Garden City

5ml Mukherjee

Director of Human Resources





This is to certify that Ashutosh. Jaydas. Bhangase has successfully completed his/her Industrial Exposure Training at

The Orchid, Mumbai - Asia's First Five Star Ecotel Hotel

From:

16 May 2022

To:

Detober 2022

Vice President - Operations





This is to certify that Astle Michael Rodrigues has successfully completed his/her Industrial Exposure Training at

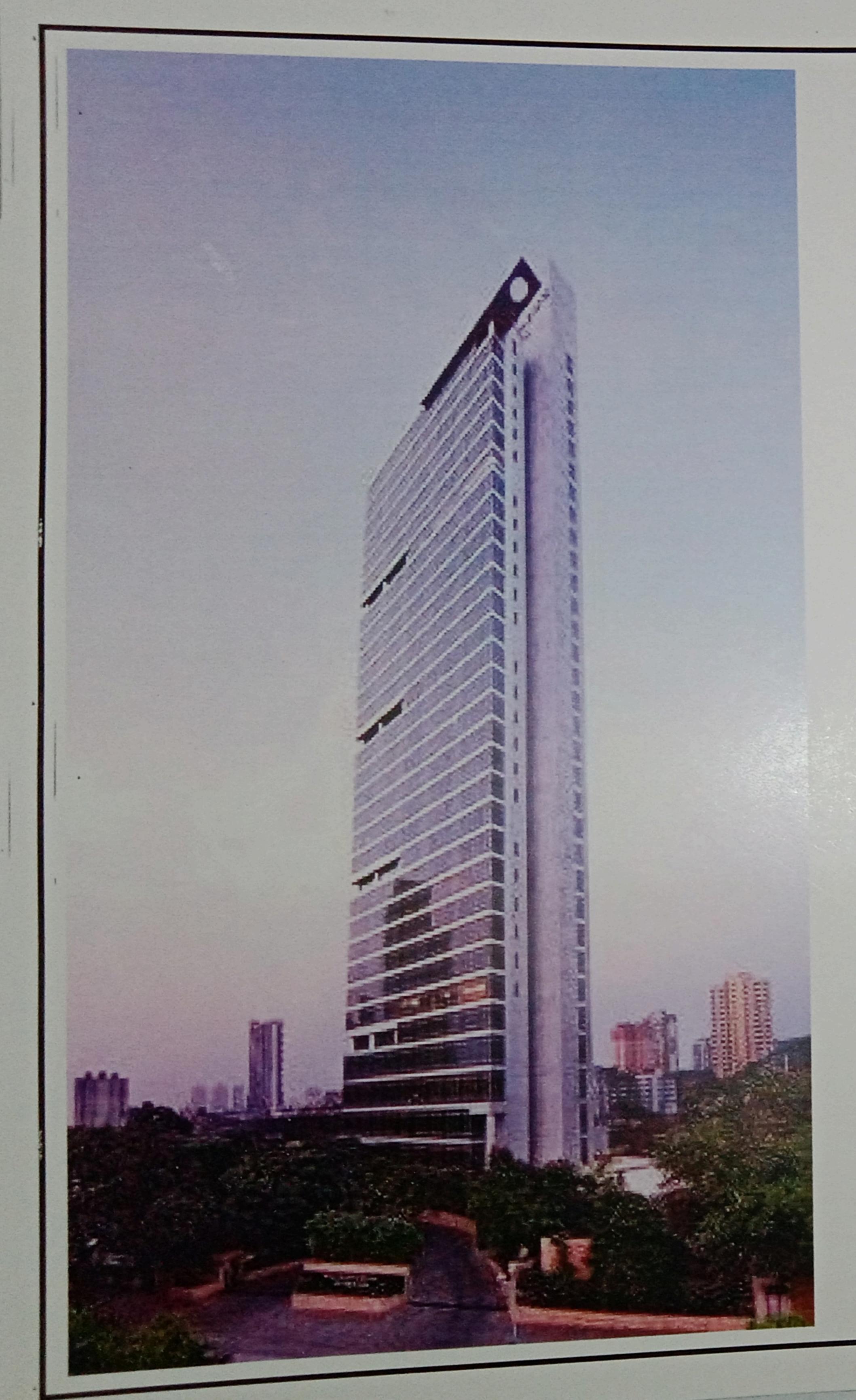
The Orchid, Mumbai - Asia's First Five Star Ecotel Hotel

From: 16 May, 2022 To: 15 October 2022

Vice President - Operations









Is awarded to

Ms. Gauri Bhagat

For successfully enrolling into and completing the

Festive Industrial Exposure Training at

The Four Seasons Hotel, Mumbai

Gauri underwent training in

The Food & Beverage Service Department from

December 06, 2021 - March 06, 2022

Akash Dhargalkar





Certificate of Recognition

Awarded To

Ms. Bhoomika Desai

Viva College of Hotel and Tourism Management

For successfully completing her 'Industrial Exposure Training' with us from 16th May to 16th October.

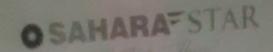
Treet

Afreen Neha Ahmed

Senior Manager - Training







SAHARA HOSPITALITY LIMITED

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Darshan Mehra student of Viva College of Hotel Management has successfully completed his Industrial Training at Hotel Sahara Star from 15th May 2022 to 15th October 2022.

During the course of the training, his performance was found to be Good.

the wish him all the very best for all his future endeevors.

L'apratidations!

For Sahara Hospitality Limited,

Karishma Ragharda

Manager - Training and Recruitment

SAHARA HOSPITALITY LIMITED

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Deepak Malik, student of Viva College of Hotel Management has successfully completed his Industrial Training at Hotel Sahara Star from 15th May 2022 to 15th October 2022.

During the course of the training, his performance was found to be Good.

We wish him all the very best for all his future endeavors.

Congratulations!

For Sahara Hospitality Limited,

Karishma Raghervanshi

Manager - Training and Recruitment



TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Dhanraj Ghatal student of Viva College of Hotel Management has successfully completed his Industrial Training at Hotel Sahara Star from 15th May 2022 to 15th October 2022.

During the course of the training, his performance was found to be Good.

e wish him all the very best for all his future endeavors.

ongratulations!

Sahara Hospitality Limited,

rishma Raghtruanshi

rager - Training and Recruitment



SAHARA HOSPITALITY LIMITED

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Dhruv Tamore student of Viva College of Hotel Management has successfully completed his Industrial Training at Hotel Sahara Star from 15th May 2022 to 15th October 2022.

During the course of the training, his performance was found to be Good.

We wish him all the very best for all his future endeavors.

Acretalations!

For Sahara Hospitality Limited,

Karishma Raghistinshi
Manager – Training and Recruitment



12th October 2022

TO WHOM SO EVER IT MAY CONCERN

This to certify that Mr. Dillon Donald Colaco student of Viva College of Hotel Management, Virar has undergone Industrial Training with us from 14th May to 10th October 2022.

Department

FnB Service

Period 05 Months

While on training, his performance was found to be very good.

We wish him success in all his future endeavours.

Thanking You.

Yours truly,

For the Sahil Hotel

Ravindra Kamath

Human Resource Manager



October 17, 2022

CERTIFICATE OF TRAINING

This is to certify that Mr. Farhan Ahmed Saced Ahmed Shaikh student of VIVA College of Hotel & Tourism Management Studies, Virar has undergone Industrial Training at our hotel "The Resort" from 16th May 2022 to 16th October 2022.

During this period he was provided with the opportunity to receive the training in various departments. He has shown keen interest in learning the practical aspects of the Hotel Industry, and we have found him to be sincere and hardworking.

We appreciate him dedicated service with us during his tenure.

We wish him all success for his future endeavors.

(Amendana 137/153)

For K. RAHEJA CORP. PVT. LTD.

SIMLA GRACIOUS

HUMAN RESQUECES MANAGER







is awarded to

Ms. Geeta Singh

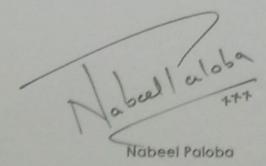
For successfully enrolling into and completing the

Industrial Exposure Training at

Four Seasons Hotel Mumbai in the

Core Operational Departments from

May 16, 2022 – October 15, 2022.



Assitant Director of People & Culture

Taj Lands End Mumbai

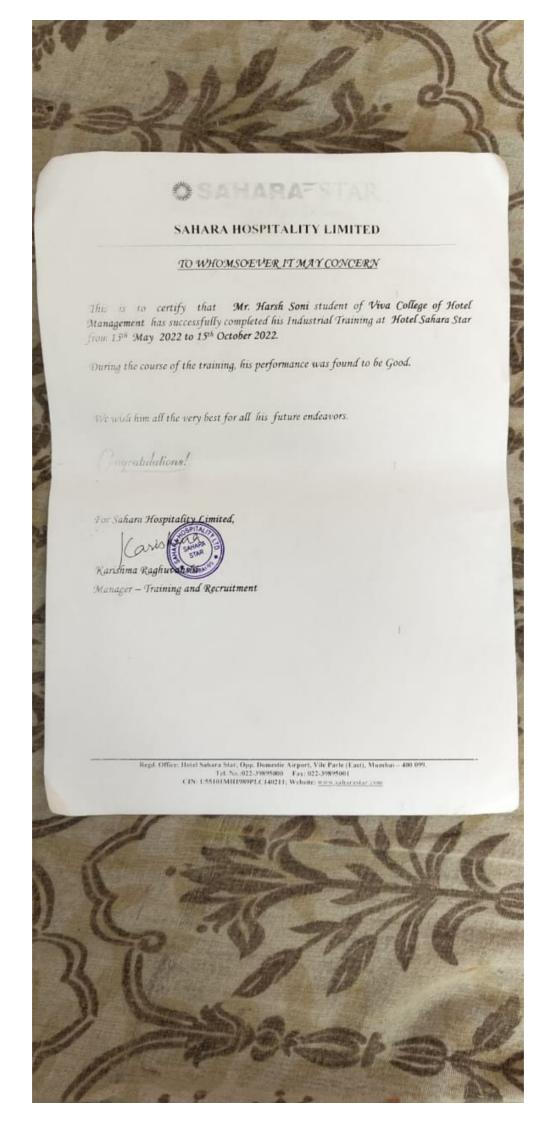


This is to certify that Ms. Gunjan Bagkar has successfully completed her Industrial Exposure Training from 16th May 2022 to 15th October 2022.

She underwent training in Front Office, Housekeeping Food & Beverage Service and Food Production.

While on training, her performance was found to be Excellent.

Nakul Moghe





SAHARA HOSPITALITY LIMITED

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Hemanshi Bhati student of Viva College of Hotel Management has successfully completed his Industrial Training at Hotel Sahara Star from 15th May 2022 to 15th October 2022.

During the course of the training, his performance was found to be Good.

We wish him all the very best for all his future endeavors.

Congratulations!

For Sahara Woodlasty Limited,

Karishma Radhirvanshi

Manager - Training and Recruitment