A REPORT ON

SUMMER INTERNSHIP

Name of the Student: Korada Kiran Ganesh

Name of the College: Vignan's Institute of Information Technology

Registration Number: 21L31A05P6

Period of Internship: From: 15-5-2023 to 30-5-2023

Year: II

Name and Address of the Intern Organization: Forage (JPMorgan Chase)

An Internship Report on

JPMorgan Chase Software Engineering Internship

Submitted in accordance with the requirement for the degree of

Bachelor of Technology

By

Korada Kiran Ganesh
(Roll No. 21L31A05P6)

Under the Faculty Guideship of

Ms.P.Lova

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY (A)
June 2023

Student's Declaration

I, **Korada Kiran Ganesh** a student of **B.Tech** program, **Reg.No.21L31A05P6** of the department of **Computer Science and Engineering** do hereby declare that I have completed the mandatory internship from **15-05-2023** to **30-05-2023** in **Forage(JPMorgan Chase)** under the faculty guidence of **Ms.P.Lova**, Department of Computer Science and Engineering(CSE).

(Vignan's Institute Of Information Technology)

Acknowledgements

My heartful thanks to our internship mentor Ms.P.Lova, who took the responsibility to monitor all my daily attendance and weekly report patiently.

My heartful thanks to Mr. Michelle Burton from JPMorgan Chase, who guided me by taking class and let me carefully visit the internship sessions.

My heartful thanks to Dr.G.Neelima, Department Internship Coordinator, Vignan's Institute of Information Technology who helped me in every aspect of gathering information about internship and guide me everyday on proper submission of reports.

My best regard to Mr.B.Dinesh Reddy, HOD of Computer Science and Engineering department, for providing me with all the information and advising about different companies and analysing them in the best way.

My thanks to B. Prasad Rao, Head Internships who helped me by allowing to participate in accordance of our interested company through detailed information.

My special thanks to our Principal Dr. J. Sudhakar for allowing me to participate in the summer internship program on behalf of our college to gain industrial knowledge and experience.

Context

CHAPTER 1: EXECUTIVE SUMMARY

The internship provided at Forage (JPMorgan Chase) in introducing their Java Script Frameworks is a great opportunity to learn various technologies in the field of web development.

Forage(JPMorgan Chase) operates in Banking sector specializing in Digitalization of Banking sector. They offer training and corporate employee's skills development programs as necessary.

Learning Objectives and Outcomes Achieved:

1. Understand the concept of modules: Students should be able to explain what modules areand how they work in Java Script.
2. Knowledge of Java Script: Advanced understanding and proficiency in Java Script and its various frame works.
3. Connect to databases: Students should be able to connect to databases using json data in Mysql.
4. Troubleshooting and Bug fixing: Intern encountered various challenges and bugs andlearned how to identify and debug them efficiently.

Summary of activities during the internship:

1. Designing responsive web pages using front-end technologies.
2. Achieving proficiency in Java Script.
3. Using modules in Java Script to get a brief understanding of it's applications.
4. Handling errors related to database connections.

CHAPTER 2: OVERVIEW OF THE ORGANISATION

Forage was born in 2017 with a dream to help students from less advantaged backgrounds a chance to discover and land jobs they never thought possible. This dream came from the co-founders' own experiences. With Tom growing up in the country and Pasha growing up in a single-parent household, they learned that there were a lot of barriers to break in terms of access to opportunity as they went through their careers.

At Forage, They put the student first. Our virtual work experiences are built to give students a chance to really learn what it's like to work at a company. We work with our companies to give students the learning and advantages to get them ahead in their careers.

In the process of mentoring students, the team found that a better way to solve inequalities in hiring and give underrepresented students a chance to land careers, was by giving them a taste of what work was actually like. So that's when Forage invented virtual work experiences. Four years later, we've helped over 1.7 million students, worked with over 100 companies, and helped students become up to 5 times more employable–100% free, student-first, and open to anyone wanting to learn.

CHAPTER3: INTERNSHIP PART

Forage(JPMorgan Chase) operates in Banking sector specializing in Digitalization of Banking sector. They offer training and corporate employee's skills development programs as necessary.Weekly Work Schedule: The weekly work schedule was from Monday to Saturday. The organization being flexible in working hours which was from morning to noon/afternoon.

Equipment Used: The internship involved working on a PC or laptop with necessary software including Python, HTML, CSS, JavaScript. With Visual Studio Code IDE.

Tasks performed: During the internship, I was involved in a variety of tasks related to Full Stack web development using Java Script. Implementing various Java Script. Designing web pages using front-end technologies such as HTML, CSS and JavaScript and fixing various bugs which were encountered.

Skills Acquired: The internship provided a deep understanding of the web development process, gained proficiency in python. It also provided valuable knowledge of visualizing data sets and machine learning library Scikit-learn. Designing responsive and intuitive web pages using front-end development skills was learnt. Simultaneously, problem solving abilities and time management skills were also acquired which are also very essential in one's career.

ACTIVITY LOG FOR WEEK-1

Day	Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day-1	15|05|23	HOLIDAY		
Day-2	16|05|23	Introduction to Github	Got used to UI of Github	
Day-3	17|05|23	JS commands and installation	Installing JS	
Day-4	18|05|23	Fork,Clone in from github repository	Making others repository to get working on my local machine	
Day-5	19|05|23	Rendering graphs using fields and methods in class using react framework	Learned how scatter plots graphs are created	
Day-6	20|05|23	Uploading patch file	Generating patch files using git commands	

WEEKLY REPORT

WEEK-1 (From Date: 15-05-2023 To Date: 20-05-2023)

Objective of the activity Done:

- Learnt about Basics of git and github.
- Learnt installing java script packages.
- Representing data graphically.

Detailed Report:

Day-1: Holiday.

Day-2: Introduction to Github Got used to UI of Github.

Day-3: JS commands and installation.

Day-4: Fork,Clone in from github repository. Making others repository to get working on my local machine.

Day-5: JS Rendering graphs using fields and methods in class using react framework.

Day-6: Generating patch files using git commands.

ACTIVITY LOG FOR WEEK-2

Day	Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day-7	22|05|23	Extracting data from json files.	Learnt using json data.	
Day-8	23|05|23	HOLIDAY		
Day-9	24|05|23	Analysing and playing with pro and post stock dates	Learnt how to bind data with methods and returning final data to templates	
Day-10	25|05|23	HOLIDAY		
Day-11	26|05|23	HOLIDAY		
Day-12	27|05|23	Submiting all the project files	Learnt how to initialize a repositories	

WEEKLY REPORT

WEEK-2 (From Date: 22-05-2023 To Date: 27-05-2023)

Objective of the activity Done:

- Extracting data from json files.
- Analysing and playing with pro and post stock dates.
- Submiting all the project files.

Detailed Report:

Day-7: Extracting data from json files. Learnt using json data.

Day-8: Holiday.

Day-9: Analysing and playing with pro and post stock dates. Learnt how to bind data with methods and returning final data to templates.

Day-10: Holiday.

Day-11: Holiday.

Day-12: Submiting all the project files.

MAY 30, 2023 : RECIEVED CERTIFICATE OF COMPLETION.

CHAPTER4: OUTCOMES DESCRIPTION

I had a productive work assesment throughout my internship that was supportive of learning and development. The details of my experience in terms of facilities that are available and maintained, clarity of   job roles, protocols, procedures, and processes, discipline, time management, harmonious etc.

Overall, I had a good experience working at Forage(JPMorgan Chase), and I found the atmosphere to be supportive of learning and development. The company gave me first- rate facilities, defined job responsibilities, protocols, procedures, and processes, and promoted motivation and support.

Internship Completion Certificate

JPMORGAN CHASE & CO.

Forage

Inspiring and empowering future professionals

Kiran Korada
Software Engineering Virtual Experience

Certificate of Completion

May 30th, 2023

Over the period of May 2023, Kiran Korada has completed practical tasks in:

Interface with a stock price data feed
Use JPMorgan Chase & Co. frameworks and tools
Display data visually for traders
Bonus task: Open source contribution