

INTERNSHIP REPORT

SAYYED AFRAN

2050

SJ Innovation LLC

Goa University

REPORT OF INTERNSHIP AT SJ INNOVATION LLC PVT LTD

Completed by
Sayyed Afran | 2050

For the course
MCA Semester VI
Goa Business School, Goa University

Under the guidance of

Mr. Amol Bhandari
(Assistant Manager - Technical, SJ Innovation LLC Pvt Ltd)

&

Mr. Siddhesh Shirodkar
(Tech Lead, SJ Innovation LLC Pvt Ltd)

Goa University



Date: 5th June 2023

SJ INNOVATION PRIVATE LIMITED

CIN : U72200GA2018PTC013559

GSTIN : 30AAHCG3078Q1Z9

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Sayyed Afran, student of Master of Computer Applications (MCA) of Goa University, Goa, is currently undergoing his final semester project (Semester VI) at our company, SJ Innovation Private from 03 January 2023 till 07 July 2023.

During his tenure he has met the expectations of his team lead and found to be regular and sincere.

This certificate is being issued on his request to be submitted with the project report at Goa University.

Yours Sincerely,

Mr. Madhav Ranganekar

Director

For SJ Innovation Private Limited



Phone

(0832) 2776354
9923633235



Email

goa.info@sjinnovation.com



Corporate Office

Plot No L 66/1, Phase II D, Verna
Industrial Estate, Verna Goa 403722

Registered Office

F. No. S-1, Allasha Plaza, Cupangalla,
Gogoi, Fatorda, Goa 403601

GOA UNIVERSITY



GOA BUSINESS SCHOOL

CERTIFICATE OF EVALUATION

This is to certify that Mr./~~Ms.~~ SAYIED AFRAN has successfully completed her internship at SJ Innovation, Verna, in partial fulfillment of the award of the degree in Master of Computer Application.

Examiner 1

Examiner 2

Place: Goa University

Date: 16/06/2023

Dean, Goa Business School

ACKNOWLEDGEMENT

First and foremost, I would like to thank Goa Business School, Goa University for giving me the opportunity to carry out an internship and acquire real world industrial experience. I would like to give a special thanks to Prof. Hanumant Redkar, and Asst. Prof Ramdas Karmali and teaching and non-teaching staff of Goa Business School

I would like to thank SJ Innovation Pvt Ltd for allowing me to do this internship and considering me capable to work on various tasks.

I would like to express my gratitude to **Mr. Amol Bhandari (Assistant Manager - Technical, SJ Innovation)**, **Mr. Shahed Islam (CEO, SJ Innovation)** and **Ms. Shahera Choudhury (COO, SJ Innovation)** for giving me the opportunity to intern at SJ Innovation.

I am also grateful to the members of my team, especially **Mr. Siddhesh Shirodkar (Tech Lead, SJ Innovation)** for being my mentor and guiding me in order to enhance and polish my skills.

I would also like to express my special gratitude to SJ Innovation employees for giving me such attention and time.



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GSTIN : 30AAHCG3078Q129

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Goa University

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INTRODUCTION

The report is a short description of my full-time hybrid internship at SJ Innovation, Verna Goa.

I joined as an Intern at SJ Innovation on 3rd JANUARY 2022 and have been here since then. This report contains necessary information about the organization, the projects and mini projects I worked on and the other tasks I completed in this internship period.

In this chapter that will follow, I will talk about the company, the work here, the culture etc. Then I shall elaborate on the tasks I worked on, a brief information about the projects, the modules I worked on and the tasks I completed in those modules.

This report highlights my learning experience and my contributions to the organization as an intern. This will describe the knowledge that I gained by successfully completing the tasks that were assigned to me.

I'll also be talking about the tools and technologies that were used followed by my internship timeline.

I shall conclude by sharing my experience and how it has helped me to grow, both on the personal and professional front.

COMPANY PROFILE

Name of Company	SJ Innovation Pvt Ltd
Founder of Company	Mr. Shahed Islam
Address of Company	Plot L-66/1, Phase II D, Verna Industrial Estate Verna Goa 403722
Phone Number	0832-2776354
Email ID	goa.info@sjinnovation.com
Website	https://www.sjinnovation.com

Established in 2004, SJ Innovation has completed more than a decade in the software industry. We specialize in providing IT solutions worldwide having expertise in web and mobile development with end to end solutions.

Our head office is based in New York City with branches in Ukraine, India and Bangladesh. Our main focus is always to provide the best services to our clients. Our strength lies in our team members. We believe in applying new ideas and technologies to improve our team and client's satisfaction. Our project management team works out of the US office, offering you an overall better experience by effectively communicating your messages to the designer or developer.

We as a team collaborate with customers, support and grow with them to provide high quality work and ensure success. Moreover, we are constantly working on broadening our range of services and thriving to improve performance and maintain long standing relationships with our customers. We are always ahead in keeping complete work status updated with our

Goa University

clients via email, chat, IM or Skype calls. Our company continually works toward improving employee satisfaction and happiness, hence improving productivity and the quality of work.

Our services include: -

- Web Design and Development
- Mobile App Design & Development (iOS, Android)
- E-commerce Development
- Quality Assurance - Outsourcing Partners - Website Maintenance - Open Source Customization - E-commerce Store Management

SJ Innovation currently has over 135 employees worldwide and continue to grow. All of our employees are experts in their field, offering you over 100 years combined experience.

Motto:

Employee Happiness Generates Client Success

Mission:

To continuously work hard towards client success. To have a happy productive workforce working together with the same vision





Culture:

- Be Humble - Be down to earth and respect all, leave no room for arrogance.
- Do Great Things Together - Working with a team together is when you achieve great things
- Work to make clients successful - Client is the fuel of the company, making clients successful will keep the company running.
- Take Accountability - Make commitment to your responsibilities, be accountable for results and know you are in charge to take it to the finish line.
- Embrace Challenge & Grow Yourself - Challenging yourself to learn new things will expand your horizon.
- Help Each Other - True form of happiness is experienced when you help others.

WORK AT SJ INNOVATION

On-boarding Learnings & Tasks

Overview

On-boarding learnings and tasks are given to get familiar with the technology tech stack which are being consistently throughout work.

Tools and Technologies used

- **VS Code**
- **React JS**

Contribution towards the project

The tasks given by the mentor to learn and practice are:

- React JS full course Youtube tutorials
- Python full course Youtube tutorials
- JSON full course Youtube tutorials
- AWS Solutions Architect Associate udemy course
- AWS CDK

Additional Task

- Book reading on topic such as The Five Dysfunction of a Team by Patrick Lencioni

RnD on SEO for Internal E-commerce Project

Overview

To conduct RnD on SEO for the internal ongoing e-commerce website

Tools and Technologies used

- Visual Studio code
- React JS

Contributions towards the project

- Conducted RnD on how we can improve and achieve SEO on the internal e-commerce website in React JS.
- After RnD do the necessary modifications in the code.

Guest Checkout Feature of Internal E-commerce Website

Overview

Order placement option for guests with bot verification/validation

Tools and Technologies used

- Visual Studio code
- React JS
- AWS CDK
- Lambda

Contributions towards the project

- To Validate between the registered user and guest user in the frontend and also in the backend and test the lambda function on AWS Lambda console.

QA Bugs Fixes On Internal E-commerce Website

Overview

Worked on QA Bug fixes on the internal e-commerce website

Tools and Technologies used

- Visual studio code
- Google Excel Sheet
- React JS

Contributions towards the project

- To fix the reported QA Bug fixing on the internal e-commerce website of the client side
- Update the google excel sheet after fixing each bugs

Chart Library Configuration

Overview

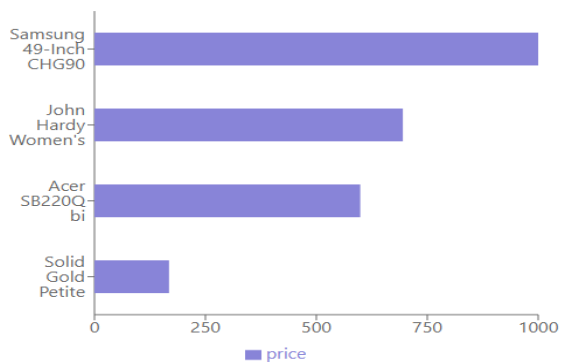
To create a bar chart using react library and each bar should have the information from the api.

Tools and Technologies used

- Visual studio code
- React JS

Contributions towards the project

- Implemented horizontal bar charts using react js 'Recharts' library which is used to create bar charts
- Mapped top 5 products from the API to the bar charts



Readme Templates Update of the Project

Overview

To update the readme template of the project

Tools and Technologies used

- Visual studio code

Contributions towards the project

- To update readme template and add steps how to start the project
- To add Features, Components and brief Description of the features.

Graph Fixes Of The Client Project

Overview

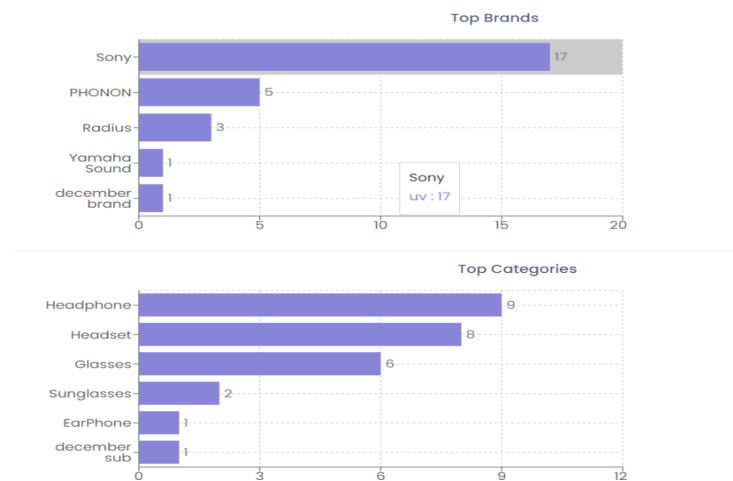
To fix and align the graph in the admin dashboard

Tools and Technologies used

- Visual studio code
- React JS

Contributions towards the project

- To fix the and align the alignment of the graph in the dashboard
- Push the code from the local branch to the Dev branch



Convert The Txt File to Csv and Json

Overview

To convert the txt file to CSV and JSON format

Tools and Technologies used

- Visual studio code
- Python

Contributions towards the project

- To convert the txt file to CSV format using Python so that all the information is well formed under rows and columns, and also to take care of the ‘,’ delimiter so that it doesn't take it as a new record.
- To convert the CSV file to Json format with its key value pair

RnD on AWS Redshift

Overview

To build a pipeline to transfer existing data to AWS Redshift

Tools and Technologies used

- Google
- Youtube
- ChatGPT
- AWS

Contributions towards the project

- RnD on Data Migration from NoSQL MySQL PostgreSQL, Neo4j to AWS Redshift
- What are the necessary pipelines to be created to migrate the data source from various database to amazon redshift
- After clubbing the data from various databases how will you sync it according to the data? and also how will you sync the data if there is more data added in on a particular date?
- What are the best practices while implementing the anonymization of the data while migrating from various databases to AWS Redshift
- What are the best practices while implementing the anonymization of the data while migrating from various databases to AWS Redshift
- How will you identify sensitive data during the migration from various databases to AWS Redshift?

- What are the anonymisation methods used in AWS while migrating from various databases to aws redshift?
-
- How will you implement Plan data mapping in AWS during the migration from various databases to aws redshift?
- How will you monitor the migration during the migration process from various databases to aws redshift?
- What are the best security practices to be followed during the migration from various databases to AWS Redshift

React Drag and Drop Libraries

Overview

To implement drag and drop feature using react drag and drop libraries

Tools and Technologies used

- Visual studio code
- React JS

Contributions towards the project

- Implemented drag and drop feature using ‘react-beautiful-dnd’ library
- Implemented drag and drop feature using ‘react-dnd’ library
- Implemented drag and drop feature using ‘React-syncfusion’ library



React Drag & Drop

PLAYERS

Nadeem

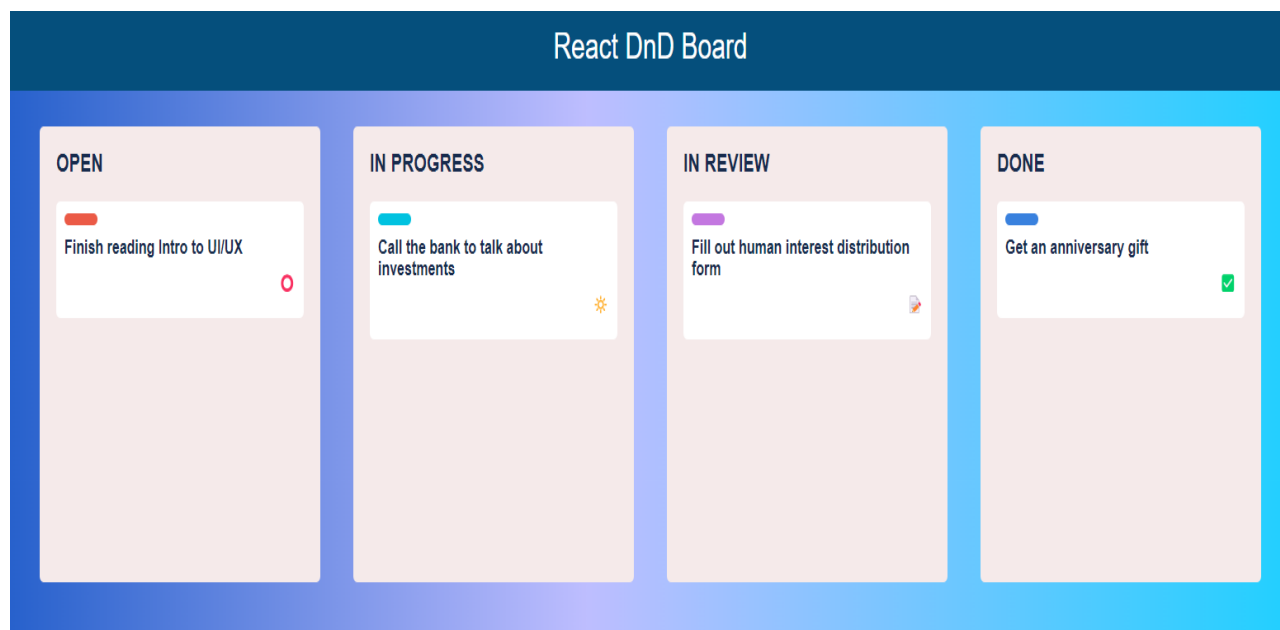
Amey

Prannoy

TEAM

Afran

Saurabh



Order ID	Customer Name	Order Date	Freight	Ship City	Ship Country
10248	VINET	7/4/1996	\$32.38	Reims	France
10249	TOMSP	7/5/1996	\$11.61	Münster	Germany
10250	HANAR	7/8/1996	\$65.83	Rio de Janeiro	Brazil
10251	VICTE	7/8/1996	\$41.34	Lyon	France
10252	SUPRD	7/9/1996	\$51.30	Charleroi	Belgium
10253	HANAR	7/10/1996	\$58.17	Rio de Janeiro	Brazil
10254	CHOPS	7/11/1996	\$22.98	Bern	Switzerland

RnD on AWS Glue studio

Overview

To carry out RnD on AWS Glue studio to extract specific information from the data

Tools and Technologies used

- Youtube
- Google
- ChatGTP

Contributions towards the project

- Converted the raw txt file to csv format to read the data in a organized way
- Created a separate sheet to map the key value pair of the values and also mapped the

RnD on Zapier

Overview

To carry out RnD on Zapier

Tools and Technologies used

- Youtube
- Google
- ChatGTP
- Zapier Website

Contributions towards the project

- Carried out RnD on Zapier on how we can automate the tasks for various client projects
- Carried out RnD on which programming languages does zapier supports
- How we can send data to zapier and how it zapier receives data

Zapier Integration with React

Overview

To Integrate zapier with react js

Tools and Technologies used

- Visual studio code
- Postman
- Youtube
- ChatGPT
- React JS

Contributions towards the project

- To integrate zapier with react js to test how we can automate the tasks and how we can send data to zapier
- Implemented a form in react js to send the data to zapier using zapier webhooks API and send the received data to google sheets and display on the table of the webpage.

26.png

Name: Email: Message:

Name	Email	Message

Name: Email: Message:

Name	Email	Message
sayyed afran	sayyed.afran@sjinnovation.com	hey afran whatsup?
sayyed afran	afran@gmail.com	hellloooo
afran sayyed	afransayyed45@gmail.com	heyy afran how are you?
Saiad Afran	sayyedafran@gmail.com	hey afran ssup?
zehra	zehra@gmail.com	hey

RnD on Pabbly

Overview

To carry out RnD on Pabbly

Tools and Technologies used

- Google
- Youtube
- ChatGPT

Contributions towards the project

- Carried out RnD on Pabbly and compared with Zapier

AWS CDK Learning

Overview

AWS CDK Learning

Tools and Technologies used

- Udemy
- Visual studio code
- AWS

Contributions towards the project

- AWS CDK Learning

React Calendar

Overview

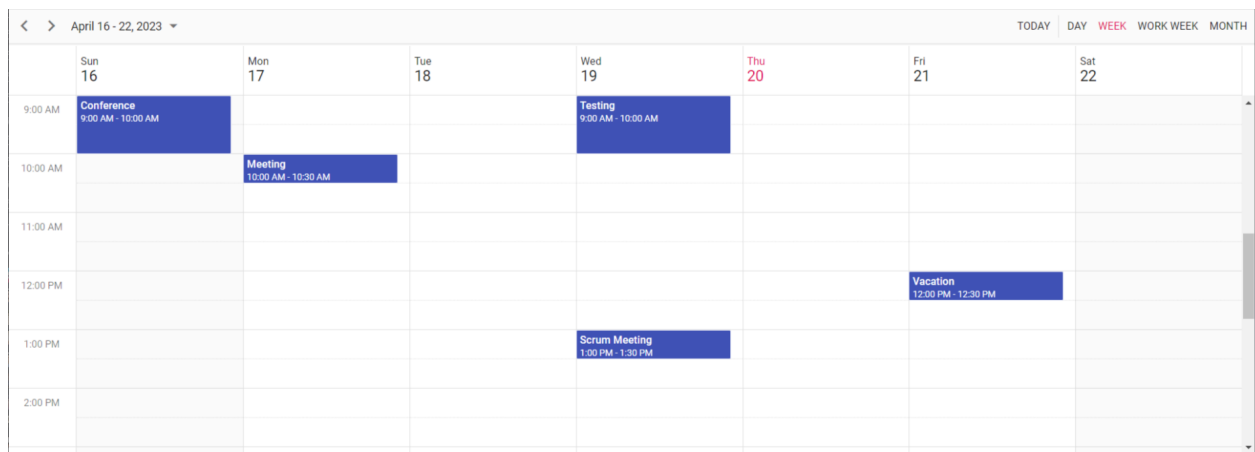
Implementation of Calendar in React JS

Tools and Technologies used

- Visual studio code
- Postman
- Youtube
- ChatGPT
- React JS

Contributions towards the project

- Developed a new calendar feature in React JS, enabling users to schedule, edit, and remove events with details stored in a database using POST requests.



<	>	April 16 - 22, 2023	TODAY	DAY	WEEK	WORK WEEK	MONTH
	Sun 16	Mon 17	Tue 18	Wed 19	Thu 20	Fri 21	Sat 22
9:00 AM	Conference 9:00 AM - 10:00 AM			Testing 9:00 AM - 10:00 AM			
10:00 AM		Meeting 10:00 AM - 10:30 AM					
11:00 AM							
12:00 PM						Vacation 12:00 PM - 12:30 PM	
1:00 PM				Scrum Meeting 1:00 PM - 1:30 PM			
2:00 PM							

React Chat Application

Overview

Implementation of Chat Application in React JS

Tools and Technologies used

- Visual studio code
- React JS
- ChatGPT

Contributions towards the project

- Created a React Chat Application with features such as searching the user, chat archiving, starred chats, multi-select functionality, and individual and bulk user deletion.

Users



Latest ▾







Select option ▾

Chats

Archived

Starred

☐ Select All

- ☐  **Afran** just now
Not much, you? 2
- ☐  **Siddhesh** just now
Yes I will join in few mins
- ☐  **Sankalp** just now
Yes, I am up for it. 1
- ☐  **Amey** just now
I am fine, you?
- ☐  **Prannoy** just now
Ok!. 3
- ☐  **Amol** just now
Not much, you?

Select a user to start chatting!

Users



Latest ▾







Select option ▾

Chats

Archived

Starred

☐ Select All

- ☐  **Afran** just now
Not much, you?
- ☐  **Siddhesh** just now
Yes I will join in few mins
- ☐  **Sankalp** just now
Yes, I am up for it. 1
- ☐  **Amey** just now
I am fine, you?
- ☐  **Prannoy** just now
Ok!. 3
- ☐  **Amol** just now
Not much, you?



Afran ★

Offline



Afran

Hey, what's up?

just now



Afran

Just wondering if you want to catch the new Spiderman movie this weekend.

just now

Archive

Not much, you?

just now

Sounds good! What time?

just now

Type a message to Afran...

Send

Users







Select option


Chats


Archived

Starred

Archived chats (1)

-  Afiran
Hey, what's up?
just now
- ☐ Select All
- ☐  Afiran
Not much, you?
just now
- ☐  Siddhesh
Yes I will join in few mins
just now
- ☐  Sankalp
Yes, I am up for it.
just now
- ☐  Amey
I am fine, you?
just now
- ☐  Prannoy
...
just now

 **Afran** ★
Offline

 Afiran
Hey, what's up?
just now

 Afiran
Just wondering if you want to catch the new Spiderman movie this weekend.
just now

Type a message to Afiran...

Unarchive

Not much, you?
just now

Sounds good! What time?
just now

Send

Users







Select option


Chats


Archived

Starred

Starred Messages (1)

-  Afiran
Hey, what's up?
just now
- ☐ Select All
- ☐  Afiran
Not much, you?
just now
- ☐  Siddhesh
Yes I will join in few mins
just now
- ☐  Sankalp
Yes, I am up for it.
just now
- ☐  Amey
I am fine, you?
just now
- ☐  Prannoy
...
just now

 **Afran** ★
Offline

 Afiran
Hey, what's up?
just now

 Afiran
Just wondering if you want to catch the new Spiderman movie this weekend.
just now

Type a message to Afiran...

Archive

Not much, you?
just now

Sounds good! What time?
just now

Send

Users

Select option

Chats


Archived


Starred

Starred Messages (0)


No starred messages.

☐ Select All

- ☐  Afiran
Not much, you?
just now

 **Afran** ★
Offline

 Afiran
Hey, what's up?
just now

 Afiran
Just wondering if you want to catch the new Spiderman movie this weekend.
just now

Archive

Not much, you?
just now

Sounds good! What time?
just now

Users



Select option ▾

Latest ▾

Chats

Archived

Starred

Starred Messages (0)

No starred messages.

☐ Select All

No users found!



React Drag & Drop

Overview

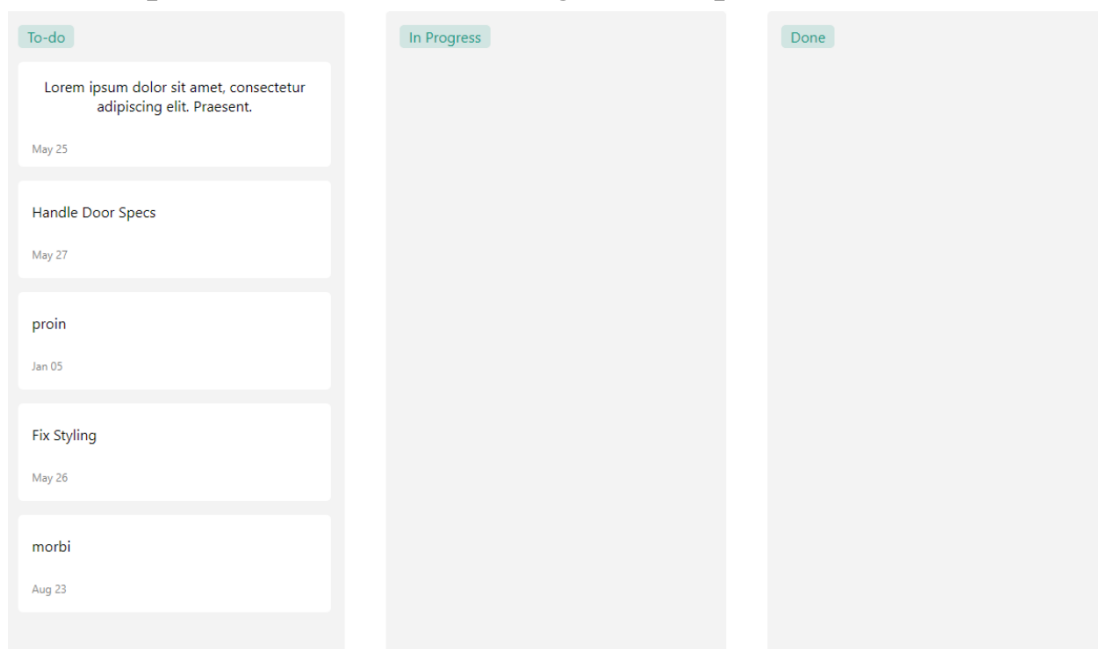
Implementation of drag and drop feature

Tools and Technologies used

- Visual studio code
- React JS
- ChatGPT

Contributions towards the project

- Implemented a kanban drag and drop board feature



Chrome Plugin Integration with ChatGPT

Overview

Implementation of chrome plugin with integration with ChatGPT

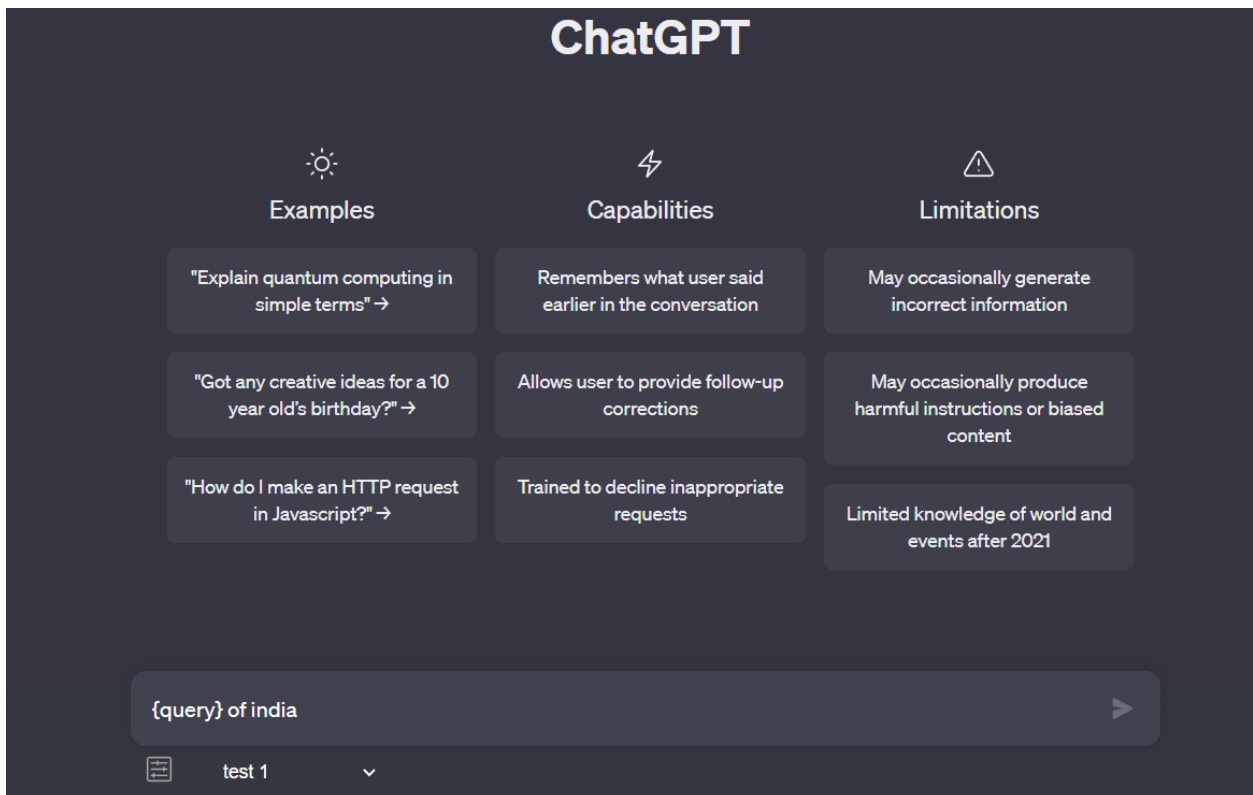
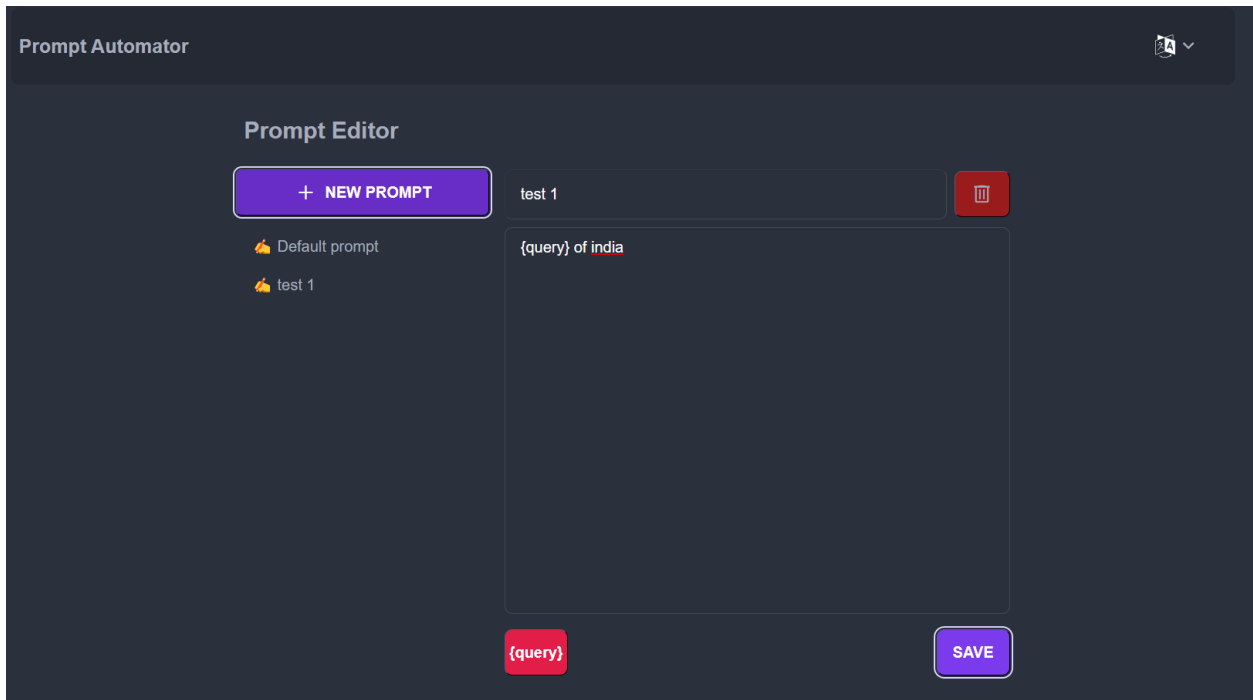
Tools and Technologies used

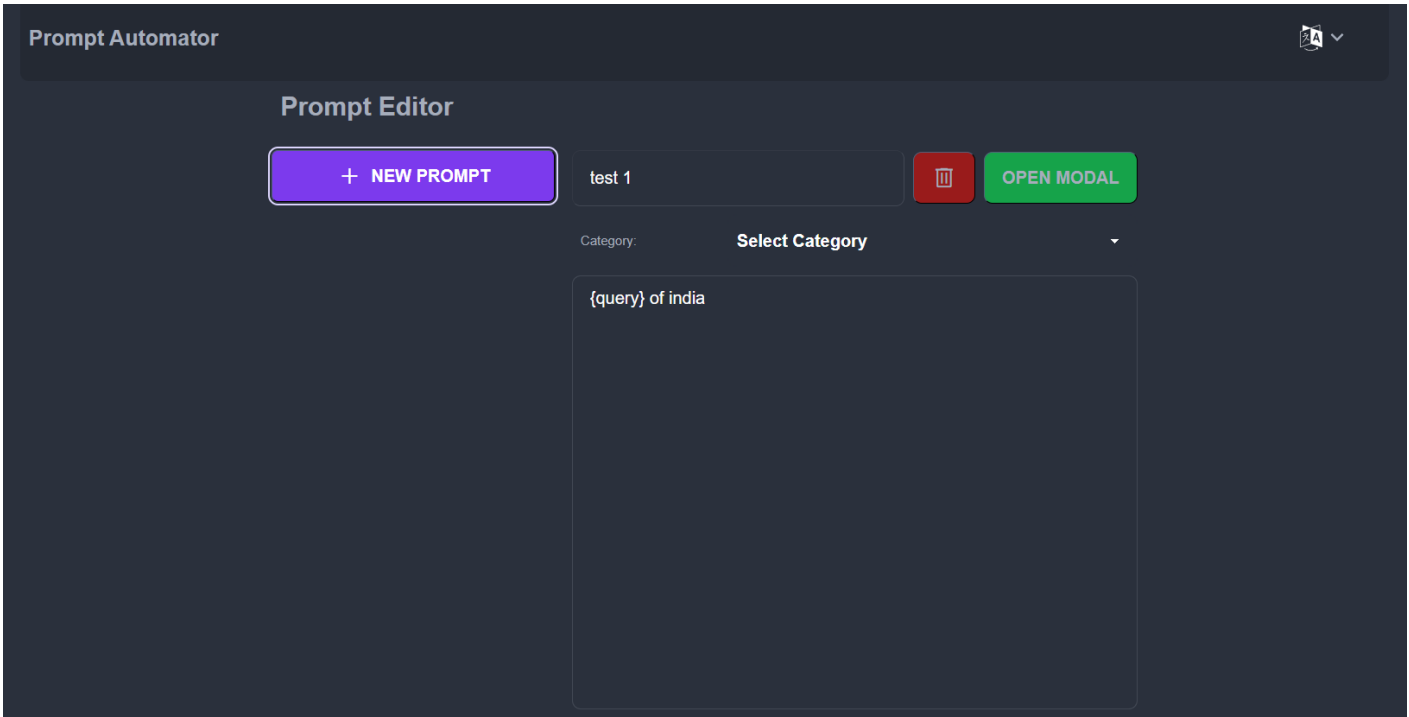
- Visual studio code
- TypeScript
- Tailwind CSS
- ChatGPT

Contributions towards the project

- Implemented UI for the prompt Automation page
- To check whether the prompts are getting in the local storage or in the IndexedDB
- Implemented the feature when the user saves the prompt, and when the user selects the saved prompt from the dropdown it should automatic populate the prompt query on the input box
- Implemented a Category feature in the prompt automation page to saved the prompts in a category wise
- Implemented the feature for the user to create the Categories dynamically and save the prompt category wise
- Implemented the feature when the user creates the categories it should display in the dropdown and when the user selects the category from the dropdown it should filter and display only the prompts saved under a specific category.

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Tools and Technology Used

1. Visual Studio Code



Visual Studio Code is a streamlined code editor with support for development operations like debugging, task running, and version control. It aims to provide just the tools a developer needs for a quick code-build-debug cycle and leaves more complex workflows to fuller featured IDEs, such as Visual Studio IDE

2. Postman



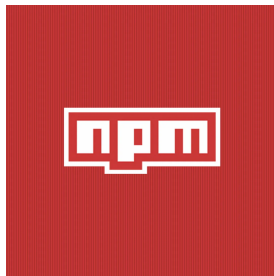
Postman is an API platform for building and using APIs. Postman simplifies each step of the API life-cycle and streamlines collaboration so you can create better APIs faster.

3. Node JS



Node.js is an open-source, cross-platform, JavaScript runtime environment that executes JavaScript code outside a web browser.

4. Npm



npm is a package manager for the JavaScript programming language. It is the default package manager for the JavaScript runtime environment Node.js.

5. Git



Git is a distributed version-control system for tracking changes in source code during software development. It is designed for coordinating work among programmers, but it can be used to track changes in any set of files.

6. Active Collab



Active Collab is an integrated project management and collaboration tool that combines task management, time tracking, and billing into one easy-to-use and well-designed app

7. Slack



Slack is a messaging program designed specifically for the workplace. Developed by American software company Slack Technologies and now owned by Salesforce, Slack offers many IRC-style features, including persistent chat rooms (channels) organized by topic, private groups, and direct messaging

8. Amazon Web Services



AWS is designed to allow application providers, ISVs, and vendors to quickly and securely host your applications – whether an existing application or a new SaaS-based application. You can use the AWS Management Console or well-documented web services APIs to access AWS's application hosting platform.

Internship Timeline

January 2023

Week 1:

- Formal orientation and Onboarding process
- React JS learnings
- Active Collab KT

Week 2:

- Python Learnings
- RnD on SEO

Week 3:

- AWS Learnings
- RnD on SEO

Week 4:

- AWS Learnings
- RnD on SEO

February 2023

Week 1:

- Guest Checkout on internal e-commerce project

Week 2:

- Guest Checkout on internal e-commerce project
- QA bug fixes on internal e-commerce website
- RnD on SEO

Week 3:

- QA bug fixes
- RnD on SEO
- AWS Learnings

Week 4:

- Chart Library configuration
- Virtry Graph fixes
- Readme Template
- Python learning
- Json Learning
- AWS Learnings

March 2023**Week 1:**

- Convert the txt file to csv and json
- RnD on AWS Redshift
- React Libraries

Week 2:

- React Libraries

Week 3:

- RnD on AWS Glue studio
- RnD on Zapier

Week 4:

- RnD on Zapier
- React Zapier Integration

April 2023

Week 1:

- React Zapier Integration
- RnD on Pabbly
- AWS CDK Learning

Week 2:

- AWS CDK Learning
- React Calendar

Week 3:

- AWS CDK Learning
- React Chat Application

Week 4:

- React Chat Application
- React Drag and Drop

May 2023

Week 1:

- React Chat Application
- Chrome Plugin Integration with ChatGPT

Week 2:

- Chrome Plugin Integration with ChatGPT

Week 3:

- Chrome Plugin Integration with ChatGPT

Week 4:

- Chrome Plugin Integration with ChatGPT

June 2023**Week 2:**

- Chrome Plugin Integration with ChatGPT

Week 3:

- Chrome Plugin Integration with ChatGPT

My Reflections/Experiences of Internship

My Internship Period of 6 months have been amazing which taught me a lot about Information Technology industry. Last four months in this Company has been truly an amazing and great experience to work in such a well maintained, disciplined and reputed workspace. This was my step into Corporate Life. It was a completely new environment where I first encountered the transaction between student life and industry life with new roles and responsibilities. Initially it was hard in adapting to a very new place but slowly I got settled very well. The work environment is so casual & friendly that it feels so comfortable. I'm very much thankful to my mentor who is the team lead who have helped me with many technology related doubts as well as industrial doubts.

I was always curious about how the actual development takes place which I got to experience here. Also learnt that learning and keeping ourselves up-to- date with new technologies is as important as working on any technology. As my internship draws to a close and I reflect back on all I have learned, I realize what an excellent experience this has been. I gathered much knowledge in the classroom, but a hands-on approach has been invaluable. It has served as a beneficial ending to my formal education.

In my opinion, the best way to learn is by doing. I am truly grateful for this opportunity. I know this will help when looking for jobs and needing references. We all know that practical experience is the best, and internships give students that hands-on experience they need. I feel that quality internships are essential to develop key skills that you can't get in a classroom. Skills such as multitasking, task management, communicating, learning to deal with diversity, and dealing with deadlines are different when you are working for someone else. It is amazing to see how people from different regions stay as one family and work together.

Appreciation is what it takes for keeping us motivated and I was constantly being appreciated for completing the task which was assigned to me.

The biggest skill that was enhanced during the internship was the ability to adapt and learn. This internship has given me insights into the software world and how things actually work in the industry. The internship has been very technical and has improved my technical knowledge tremendously.

There were also various fun activities held by the company to improve team bonding and also organizing various technical sessions and personal development classes which helped us to know about the new technologies and helping to improve your personality.

I also got a chance to communicate with professionals who motivated me to achieve a better understanding and knowledge of the domain, technology as well as industry related environment. To conclude, this internship has inspired me to pursue a career in the field of software development technology and to excel in it. It was a great learning experience and I consider myself honored for being a part of SJ Innovation Pvt. Ltd.

Self Study

AWS Cloud Development Kit (CDK)-v2-Beginner to Advance
(Typescript) – Udemy



Goa University

References

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<https://www.google.com/>

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