

zapcom.

INTERNSHIP REPORT

Sahil Subhash Asolkar

2107

REPORT OF INTERNSHIP DONE AT ZAPCOM SOLUTIONS PVT LTD

SUBMITTED BY

SAHIL ASOLKAR

2107

UNDER THE GUIDENCE OF

Mr. Yakaswamy Gadudula
(Sr. Full Stack Developer)

INTERNSHIP REPORT

zapcom.

1st June 2023

TO WHOMSOEVER IT MAY CONCERN


This is to inform you that **Mr. Sahil Subhash Anolkar**, student of Master of Computer Applications (MCA) of Goa University, Goa, is currently undergoing his final semester project (Semester III/IV) at our company, Zapcom Solutions Pvt. Ltd from 4th January, 2023.

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

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

The final internship completion letter will be provided on completing his internship.

For Zapcom Solutions Pvt. Ltd.


Srinivas Reddy Kothakota
Chief Operating Officer



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GOA UNIVERSITY



GOA BUSINESS SCHOOL

CERTIFICATE OF EVALUATION

This is to certify that Mr. Sahil Asolkar has successfully completed his internship at Zapcom Solutions Pvt. Ltd. Bengaluru, in partial fulfillment of the award of the degree in Master of Computer Application.

Examiner 1

Place: Goa University

Date: 16th June 2023

Examiner 2

Dean, Goa Business School

Acknowledgement

I would like to express my deepest gratitude to the following individuals and teams for their invaluable support, guidance, and encouragement throughout my internship at Zapcom Solutions:

I am immensely grateful to Mr. Kishore Pallamreddy for providing me with the opportunity to intern at Zapcom Solutions. His vision and leadership have created a dynamic and enriching work environment that fosters growth and learning.

I extend my heartfelt thanks to Mr. Yakaswamy Gadudula for his dedicated mentorship and guidance. His expertise and insights in the field of full-stack development have been instrumental in shaping my skills and knowledge during the internship.

I would like to express my appreciation to the HR and Accounts teams at Zapcom Solutions for their assistance throughout the internship. Their support in administrative matters and ensuring a smooth internship experience is highly valued.

My sincerest gratitude to Nihal Parsekar, Amit Gehlot, Janakiram Ram, Aravind A, Dhanraj Raiturkar, Shazib Khattal and Shivanand Patil for their continuous support and guidance in various technologies throughout my internship. Their expertise and willingness to help have played a crucial role in my professional development.

I would like to extend special thanks to Mr. Subramanian Arumugam for his exceptional mentoring and motivation. His guidance not only in professional aspects but also in personal growth has been invaluable, making my internship experience even more enriching.

I am thankful to Mr. Hanumant Redkar for providing me with the opportunity to undertake this internship. His support and encouragement have been instrumental in shaping my career trajectory.

I would like to acknowledge and appreciate the efforts of all the teaching and non-teaching staff at Goa University. Their dedication and commitment to providing quality education have laid a strong foundation for my academic journey.

Lastly, I would like to express my heartfelt gratitude to my family and friends for their unwavering support, love, and encouragement throughout my internship. Their belief in my abilities and constant motivation have been the driving force behind my success.

I am truly privileged to have been surrounded by such remarkable individuals and teams who have contributed significantly to my growth and development. Their support has been invaluable in shaping my internship experience and preparing me for future endeavors.

Thank you all for your unwavering support and guidance.



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Introduction

This internship report documents my experience and learnings during a six-month internship at Zapcom Solutions, an esteemed IT company. As a requirement of my MCA degree at Goa University, this internship provided me with a valuable opportunity to further develop my skills as a full-stack developer and gain practical industry experience.

Zapcom Solutions is a renowned company in the IT industry, known for its expertise in developing innovative software solutions for clients across various sectors. During my internship, I had the privilege of working with a talented team of professionals in the development department, who guided and mentored me throughout the duration of my internship.

The primary objective of this report is to provide an overview of my internship journey, outline the projects and tasks I was involved in, and highlight the skills and knowledge I acquired during my time at Zapcom Solutions. Additionally, this report aims to reflect on my personal and professional growth, as well as the impact of this internship experience on my career aspirations as a full-stack developer.

In the following sections, I will begin by providing a comprehensive company profile of Zapcom Solutions, describing its industry standing, core competencies, and notable achievements. I will then delve into the specific details of my role and responsibilities as an intern, highlighting the projects I contributed to and the tasks I performed as a full-stack developer.

Throughout the internship, I had the opportunity to work on various development projects, ranging from front-end design and user experience enhancement to back-end system development and database management. I will share my experiences, challenges encountered, and the solutions implemented during these projects. Furthermore, I will discuss the tools and technologies I utilized, such as programming languages, frameworks, and development tools, to accomplish project objectives.

Company profile

Zapcom Solutions is a leading IT company with offices in Dallas, Texas; Dublin, California; Heredia, Costa Rica; Hyderabad, India; and Bangalore, India. With a global presence, Zapcom Solutions has successfully delivered more than 100 projects, earning a reputation for excellence and innovation in the industry.

Zapcom Solutions is a team of thinkers, builders, and operators driven by a passion for building digital products and platforms that have the power to transform revenue and cost curves. Their expertise lies in designing, building, operating, and optimizing technology solutions, leading their clients on a successful digital transformation journey.

Zapcom Solutions takes a data-centric approach to building products, platforms, and teams that drive delightful experiences and deliver measurable business value. Their focus is on creating solutions that align with their clients' goals, utilizing the latest technologies and industry best practices.

Efficiency, agility, and collaboration define Zapcom Solutions' approach to building solutions. Drawing from their extensive experience of successfully delivering hundreds of projects, they have designed efficient ways of working that are tailored to each client's specific outcomes. Their aim is to ensure that their clients achieve their desired results with optimal efficiency and effectiveness.

Through their work, they strive to inspire and engage, creating meaningful experiences that have a lasting impact.

Important Roles Performed as an Intern

During my six-month internship at Zapcom Solutions, I was trained and worked as a full-stack developer. In this role, I had the opportunity to contribute to several significant projects and play important roles within the development team.

One of the key projects I was involved in was the Angular to React migration project for the Pediasure Abbott application. As a member of the main development team, my major task was to ensure the exact duplication of the user interface (UI) and its functionality from the existing Angular project to React. I actively participated in the migration process, working closely with senior developers and project managers.

My responsibilities included analyzing the existing Angular codebase, identifying migration challenges, and implementing the necessary changes to transition the application to React. This project allowed me to enhance my skills in both Angular and React frameworks while gaining hands-on experience in managing large-scale code migration.

In addition to the migration project, I undertook the challenge of designing and coding a note-making and scrum management application called NoteSpace. This application was built from scratch, and I was responsible for the entire development lifecycle, from conceptualizing the design to implementing the front-end and back-end functionalities. By working on NoteSpace, I sharpened my skills in UI/UX design, front-end development, and database management.

Furthermore, I developed an application specifically for the HR department to automate the checking and updating of emails and other data received from vendors. This application streamlined the HR processes, eliminating manual data entry and reducing the risk of errors. I collaborated with the HR team to understand their requirements, designed the application architecture, and implemented the necessary features. This experience enabled me to gain insights into business process automation and develop solutions that enhance organizational efficiency.

Throughout these projects, I actively collaborated with cross-functional teams, participated in code reviews, and contributed to the overall software development lifecycle. This provided me with a holistic understanding of the project management processes and the importance of teamwork in delivering successful software solutions.

My role as a full-stack developer allowed me to apply my technical knowledge in both front-end and back-end development, as well as strengthen my problem-solving, analytical, and communication skills. These experiences have significantly contributed to my growth as a professional and have prepared me for future challenges in the IT industry.

Projects

Angular to React Migration

For Pediasure Abbott Application

The Pediasure Abbott application was a feature-rich platform used for redeeming points, accessing product information, and utilizing a QR code scanner. As part of the main development team, our task was to migrate the application from Angular to React. The decision to migrate to React was driven by the need to expand the application to serve 60 different tenants or countries worldwide. React was chosen for its efficiency, component reusability, and best practices.

Key Details

- **Migration Framework:** To facilitate the migration process, we utilized Next.js, a popular framework for building server-side rendered React applications with integrated routing capabilities.
- **Challenges Faced:** One of the primary challenges was ensuring that the migrated application matched the design and functionality of the existing Angular version. We had to meticulously replicate the UI elements, including font sizes, margins, paddings, and other visual aspects. Additionally, maintaining seamless integration with the existing backend systems and database was crucial for a smooth transition.
- **Project Lead:** The project was led by Yakaswamy Gadudula, a seasoned full-stack developer with 11 years of experience. Yakaswamy served as both a mentor and project lead, providing guidance, overseeing the migration process, and ensuring the successful delivery of the project.
- **Achievements and Outcomes:** Through meticulous planning, collaboration, and diligent development efforts, we successfully completed the migration from Angular to React. The React version of the Pediasure Abbott application provided improved performance, scalability, and component reusability.

The Angular to React migration project for the Pediasure Abbott application was a significant undertaking, driven by the need for enhanced efficiency and scalability. With the expertise and guidance of Yakaswamy Gadudula, Aravind, Rajiv Ram and the development team, we successfully completed the migration at a point so that it is easier to pick it up for the next team, paving the way for a more robust and user-friendly application experience.

Notespace

One of the notable projects I worked on during my internship was the NoteSpace application. NoteSpace is a note-making and scrum management application that I designed and developed from scratch, leveraging various technologies and tools. Here are the key details about the project:

Project Description

NoteSpace is a web-based application built using React.js, Firebase Firestore, and vanilla CSS. It provides users with a seamless and intuitive platform to create, organize, and manage notes effectively, while also incorporating scrum management features.

Design Process

I began the project by conducting thorough research to understand user requirements and best practices for note-taking and project management applications. Based on the insights gathered, I created design mockups to visualize the user interface and ensure a user-friendly experience. The design focused on simplicity, clear navigation, and a visually pleasing aesthetic.

Front-end Development

Leveraging the power of React.js, I implemented the front-end development of NoteSpace. React.js provided a robust framework for creating reusable components, managing state, and ensuring efficient rendering. I utilized HTML, JSX, and vanilla CSS to structure and style the application, adhering to modern design principles.

Back-end Development and Database

Firebase Firestore was utilized as the back-end database to store and retrieve user data, including notes and project-related information. Firestore provided a real-time database solution, enabling seamless synchronization and data persistence. I integrated the Firestore database with the React.js front-end, ensuring smooth data flow and efficient data management.

Features and Functionality

NoteSpace offers a comprehensive set of features to facilitate note-taking and project management. The application provides users with a seamless experience for organizing and tracking their work. Here are the key features of NoteSpace:

1. **Creating and Managing Notes:** Users can easily create new notes, specifying the title and content. They can also edit or delete existing notes as needed.
2. **Project Management:** NoteSpace enables users to create and manage projects, allowing them to categorize and organize their user stories effectively. Users can add descriptions to projects, making it easier to provide context and track

progress.

3. **Task Management:** Users can create tasks, mark tasks as important and mark tasks as done or undone. The application provides a clear overview of tasks and allows users to easily track their progress.
4. **Story Management:** NoteSpace allows users to create stories or user stories, a common practice in agile project management. Users can create, assign, and track stories, moving them from "To Do" to "In Progress" to "Done."
5. **User Personalization:** The application greets the user based on the time of day, creating a personalized experience. Users can also edit their username and password, ensuring a customizable and secure environment.
6. **Password Recovery:** NoteSpace offers a password recovery mechanism, allowing users to reset their passwords in case they are forgotten.
7. **User-Specific Data:** The application securely stores user-specific data, ensuring that each user has their own personalized workspace and information.
8. **Task and Story Statistics:** NoteSpace provides a visual representation of completed, in-progress, and pending stories and tasks, allowing users to easily track their progress and productivity.

By utilizing React.js for front-end development, Firebase Firestore as the back-end database, and vanilla CSS for styling, I successfully developed NoteSpace as a robust and user-friendly note-making and scrum management application. This project showcased my proficiency in these technologies and demonstrated my ability to deliver a complete end-to-end solution.

Omnifood

One additional project that I had the opportunity to work on during my internship was the Omnifood website. Omnifood is a food delivery website that provides users with a convenient way to order food from local restaurants. Here are some details about the project

Project Description

Omnifood is a fully responsive website developed using vanilla CSS, HTML, and JavaScript. The goal of the project was to create a visually appealing and user-friendly interface that follows modern design principles.

Responsive Design

The Omnifood website was designed to be accessible and functional across various devices and screen sizes. The responsive design ensured that the website's layout and content adapted seamlessly to desktop computers, laptops, tablets, and mobile devices.

User Experience

The focus of the project was to provide a seamless and intuitive user experience. The website featured an easy-to-navigate menu, visually appealing food images, and clear call-to-action buttons to guide users through the ordering process. Attention was given to the overall user flow and ensuring a smooth interaction with the website.

Design Principles

The Omnifood website followed design principles such as a clean and modern aesthetic, clear typography, and visually appealing color schemes. Attention to detail was given to the overall visual hierarchy, ensuring that important information and features were prominently displayed to enhance the user experience.

Implementation

I was responsible for implementing the front-end development of the Omnifood website. This included translating the design mockups into HTML, CSS, and JavaScript code. Throughout the development process, I followed best practices and coding standards to ensure clean and maintainable code.

Working on the Omnifood project allowed me to further develop my skills in front-end development and understand the importance of user-centered design. It provided me with valuable insights into creating responsive and visually appealing websites that deliver a seamless user experience.

Pokedex Application

Project Description: The Pokedex application was developed using React and the Pokemon API. It served as a comprehensive database for accessing detailed information about various Pokémon species. The application presented the Pokémon details in a visually appealing card format, providing users with an immersive and interactive experience.

Key Features and Functionality:

Pokémon Information: The Pokedex application allowed users to search for specific Pokémon and retrieve detailed information such as name, type, abilities, stats, and evolution chain.

Interactive User Interface: The application provided a user-friendly interface where Pokémon details were displayed in visually appealing and informative cards. Each card showcased the Pokémon's image, type, and key attributes, creating an engaging and immersive experience.

Integration with Pokemon API: The application leveraged the Pokemon API to fetch real-time data and ensure accurate and up-to-date information about the Pokémon species. This integration allowed users to explore a vast collection of Pokémon with ease.

The Pokedex application provided Pokémon enthusiasts and gamers with a convenient and visually appealing platform to explore and learn about different Pokémon species. Its intuitive user interface, comprehensive Pokémon information, and seamless integration with the Pokemon API made it a valuable resource for both casual users and dedicated fans of the Pokémon franchise.

The Pokedex project showcased my proficiency in React development, API integration, and creating visually appealing user interfaces. It served as a testament to the ability to utilize modern technologies and APIs to deliver innovative and immersive digital experiences.

Abbott Angular Migration

The Abbott Angular Migration project is an ongoing initiative aimed at migrating the Pediasure Abbott application to Angular and expanding its reach to the Thailand market. As a part of this project, my role involves developing the frontend screens for the Thailand version of the application using Angular. Additionally, I am responsible for integrating the frontend with the backend, which is built using Node.js. This integration includes implementing authentication mechanisms and other essential functionalities.

Frontend Development: I am tasked with developing the frontend screens for the Thailand version of the Pediasure Abbott application using Angular. This guidelines involves creating responsive and user-friendly interfaces that align with the project's design and specifications.

Backend Integration: I am responsible for integrating the Angular frontend with the backend, which is developed using Node.js. This integration includes establishing communication between the frontend and backend, implementing API calls, and ensuring seamless data flow between the two components.

Authentication Implementation: As part of the project requirements, I am responsible for integrating authentication mechanisms within the application. This includes user registration, login, and session management to ensure secure access to the application's features and data.

Collaboration and Coordination: Throughout the project, I actively collaborate with the backend developers, project managers, and stakeholders to ensure smooth integration and alignment of the frontend and backend components. Regular coordination meetings and communication channels are maintained to address any technical or functional requirements.

The Abbott Angular Migration project presents a significant opportunity to enhance the existing Pediasure Abbott application and extend its capabilities to the Thailand market. By leveraging the power of Angular and Node.js, we aim to deliver a robust, efficient, and scalable application that meets the specific needs and preferences of Thai users.







The project showcases our expertise in Angular development, frontend design, and backend integration using Node.js. It allows us to demonstrate our ability to handle complex migration tasks and seamlessly integrate frontend and backend technologies.



By successfully delivering the Thailand version of the Abbott application, we contribute to the expansion and success of the Pediasure Abbott brand in the Thai market. As the project progresses, we continue to overcome challenges, collaborate with the development team, and ensure the timely delivery of high-quality screens and backend integration. The ongoing Abbott Angular Migration project serves as a valuable learning experience and an opportunity to further refine my skills as full-stack developer.

Tools and technology

During my internship at Zapcom Solutions, I had the opportunity to work with a diverse range of tools and technologies to develop innovative solutions. The following are the key tools and technologies extensively used:

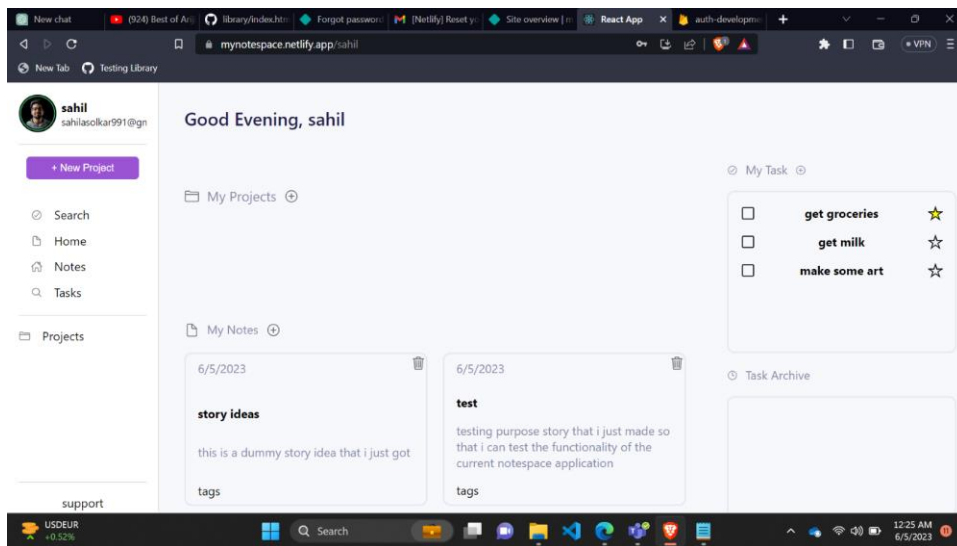
	Visual Studio Code (VS Code): I utilized VS Code as my primary integrated development environment (IDE) for writing and editing code. Its intuitive interface and extensive plugin ecosystem enhanced my productivity throughout the development process.
	Leveraging Firebase, a comprehensive platform provided by Google, played a crucial role in my projects. I employed Firebase for various tasks such as user authentication, real-time database management, cloud storage, and hosting. Its ease of use and robust feature set facilitated the efficient development of web and mobile applications.
	Node.js: As a runtime environment, Node.js powered my server-side applications, allowing me to execute JavaScript code outside of a web browser. The extensive package ecosystem provided by npm (Node Package Manager) enabled me to incorporate various libraries and frameworks into my projects.
	React.js: I extensively worked with React.js, a popular JavaScript library for building user interfaces. Its component-based architecture, virtual DOM, and state management capabilities enabled me to create dynamic and interactive front-end experiences.
	Next.js: Next.js, a framework built on top of React.js, played a significant role in my projects. With its powerful features such as server-side rendering (SSR), static site generation (SSG), and routing, Next.js empowered me to build performant and SEO-friendly web applications.

	<p>Netlify: Netlify served as a reliable hosting and deployment platform, seamlessly integrating with Git repositories. Its continuous deployment capabilities, serverless functions, and global content delivery network (CDN) allowed for efficient and scalable application deployment.</p>
	<p>AWS CodeCommit: For version control and collaborative development, I utilized AWS CodeCommit, a fully-managed Git service provided by Amazon Web Services (AWS). It offered a secure and scalable environment for managing source code repositories.</p>
	<p>Azure: Azure, the cloud computing platform provided by Microsoft, was extensively used in several projects. Its vast array of services, including virtual machines, databases, and serverless computing, allowed for scalable and robust application deployment.</p>
	<p>VS Code Extensions: I utilized various VS Code extensions specific to the technologies used, such as the React Developer Tools extension for React.js development, Firebase extensions for Firebase integration, and Azure extensions for Azure integration.</p>
	<p>Git: As a distributed version control system, Git enabled efficient code collaboration, tracking changes, and managing different branches. I used Git for version control and to collaborate with team members throughout the development process.</p>
	<p>HTML/CSS: I worked with HTML and CSS to create structured web pages and apply styling to achieve the desired user interface (UI) designs. These fundamental web technologies were essential for front-end development.</p>

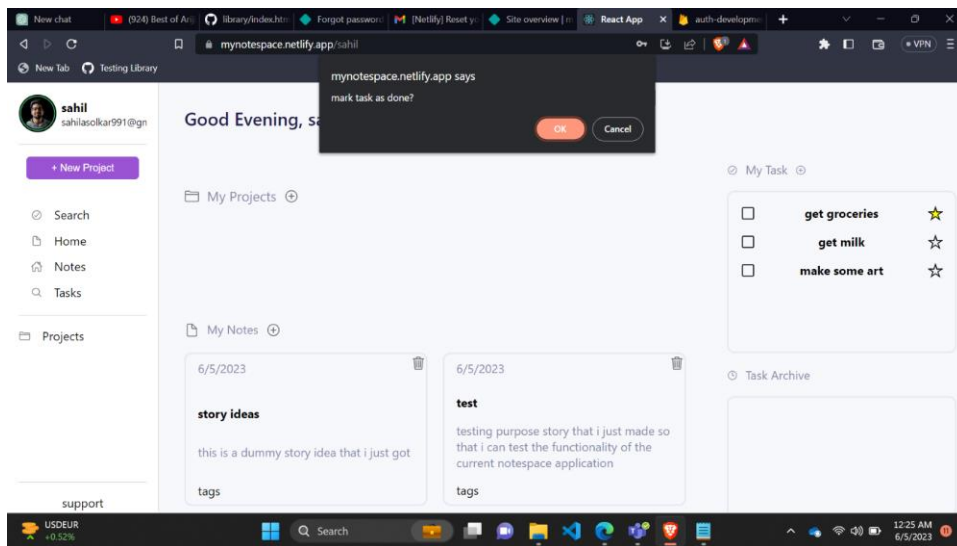
	<p>AngularJS is a powerful JavaScript framework designed to simplify web application development. It follows the Model-View-Controller (MVC) architectural pattern, allowing developers to separate concerns and build modular, maintainable code. With its declarative syntax and extensive set of built-in features, AngularJS enables rapid development of dynamic, interactive, and responsive web applications. It provides features such as two-way data binding, dependency injection, directives, and filters, which enhance productivity and code reusability. AngularJS empowers developers to create scalable and robust applications by providing a solid foundation for building complex user interfaces and handling data manipulation.</p>
	<p>Testing Frameworks: I employed testing frameworks like Jest, to write unit tests, integration tests, and end-to-end tests, ensuring the reliability and quality of the developed applications.</p>

Screenshots

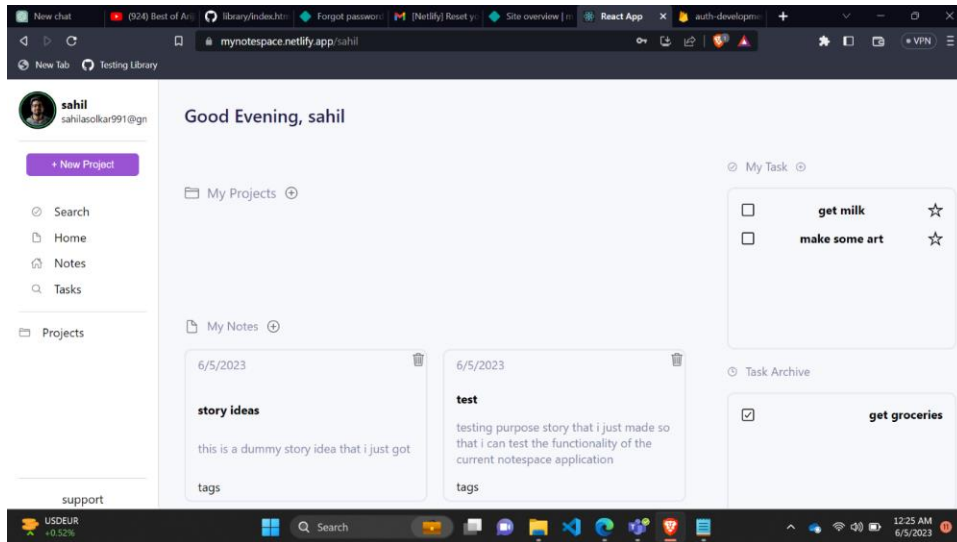
Notespace



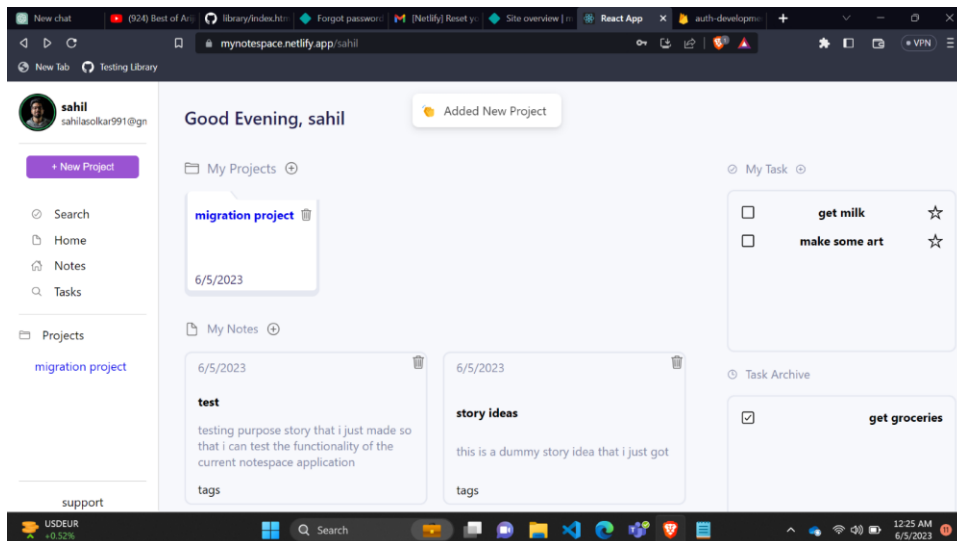
Dashboard



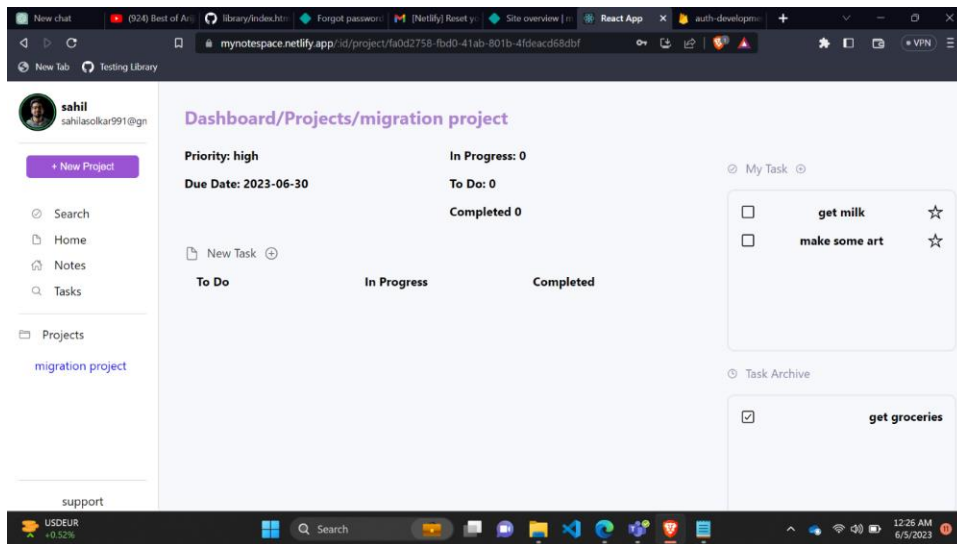
Adding new notes



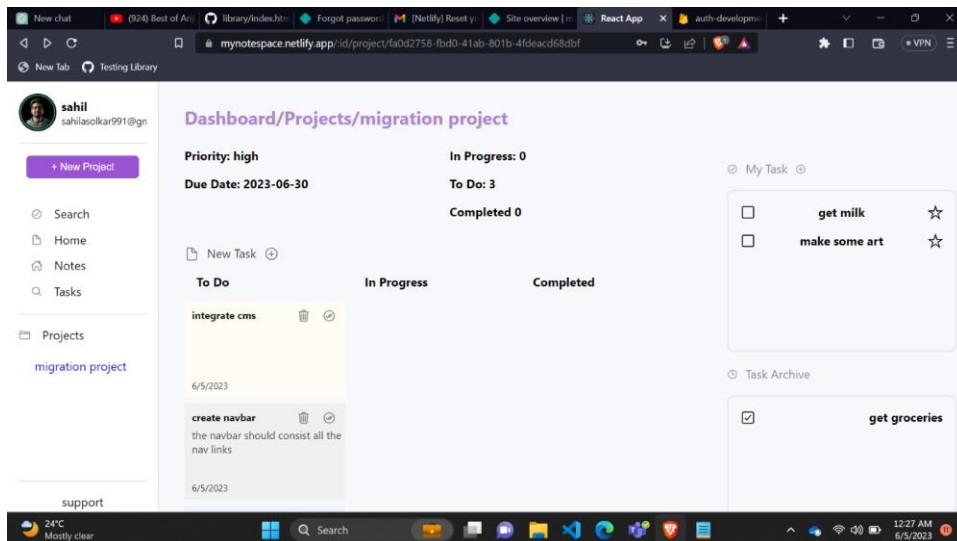
Marking tasks as done



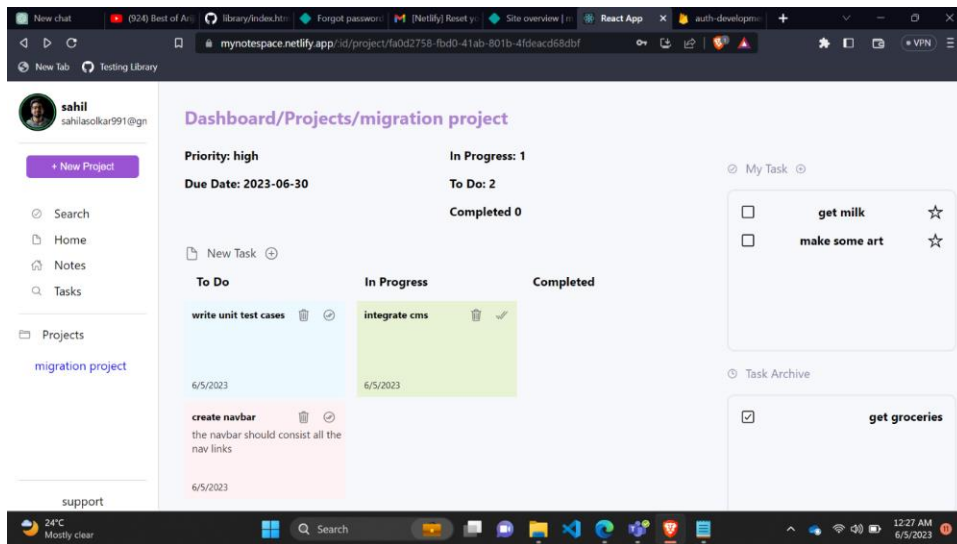
Adding a new project



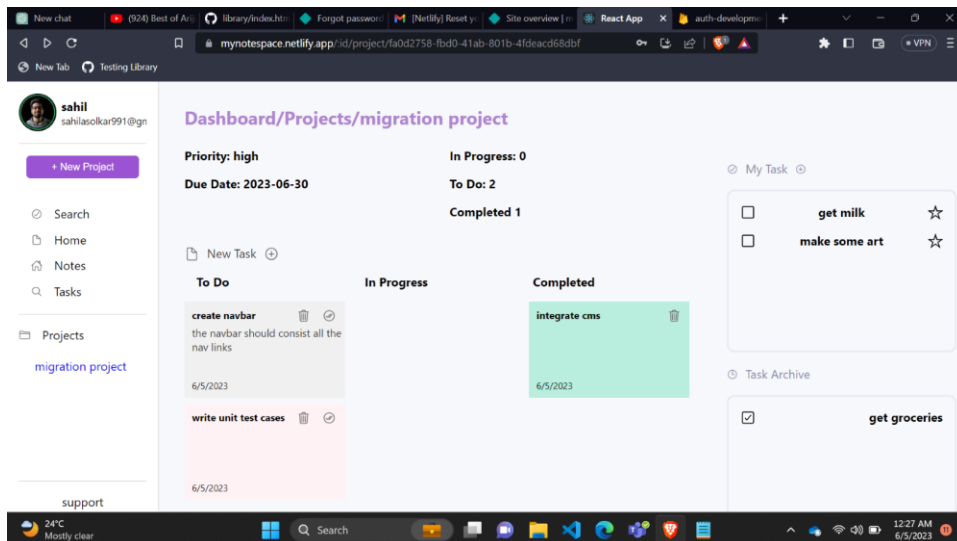
Project screen



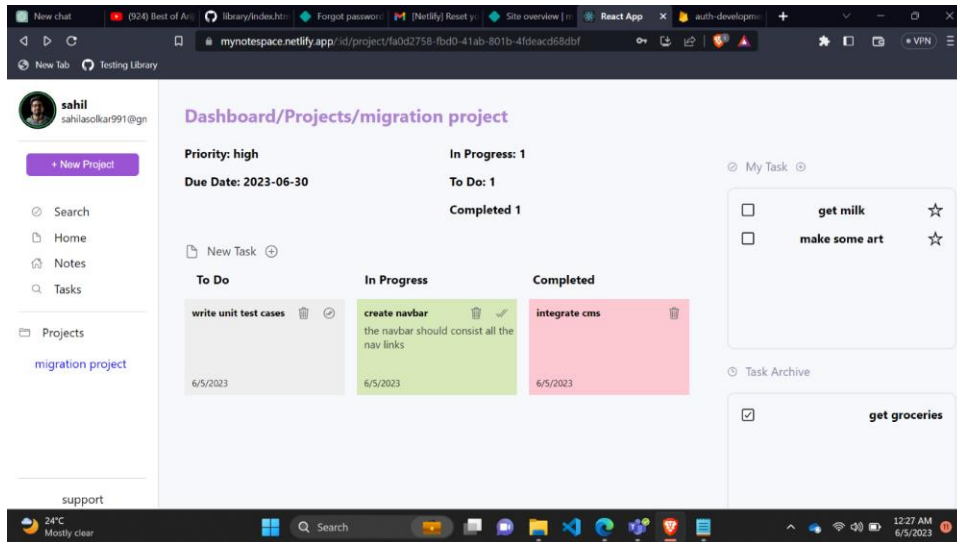
Adding user stories inside a project



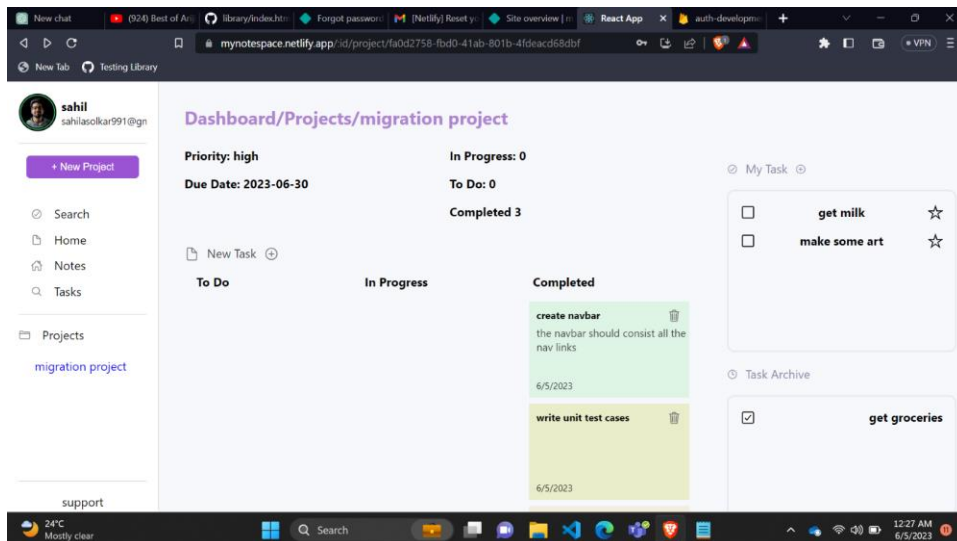
Moving the stories from todo to in progress to completed



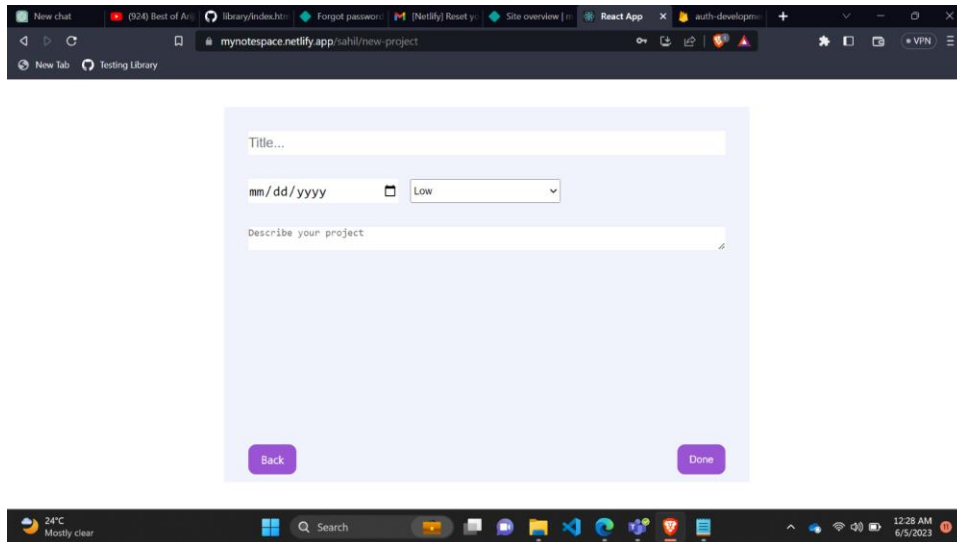
The colors on the user story cards are random, enriching the overall esthetics of the application



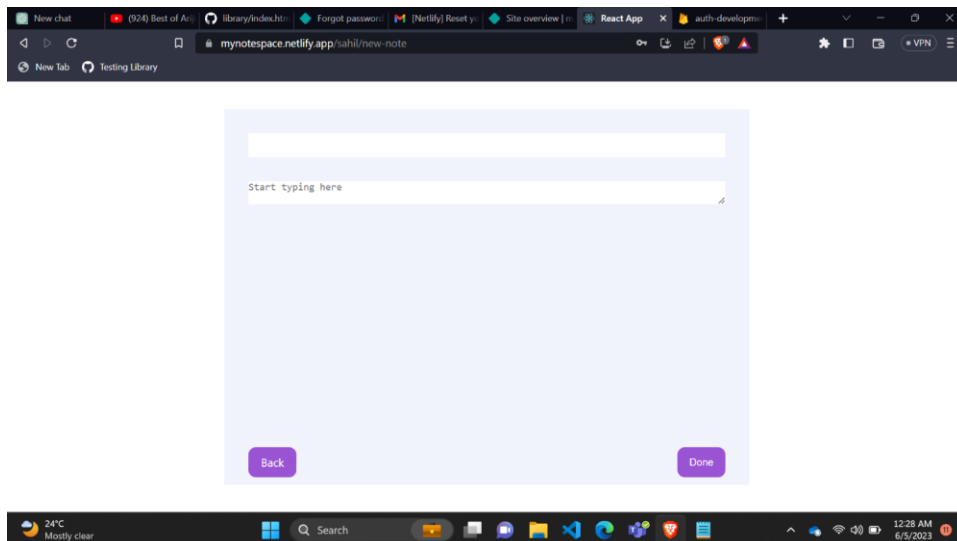
Tracking the count of todo, inprogress and done.



Marking all the stories completed and counting them in the status.

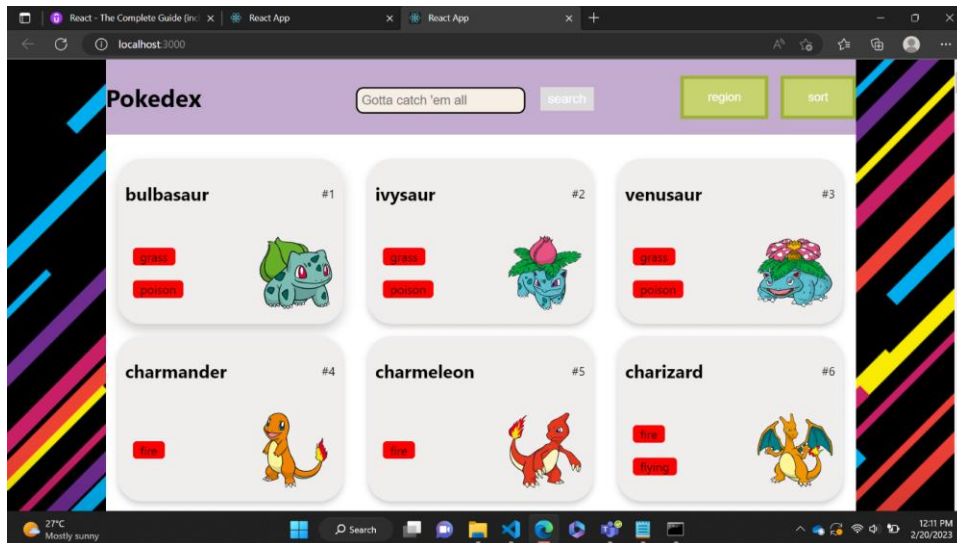


Add new project screen

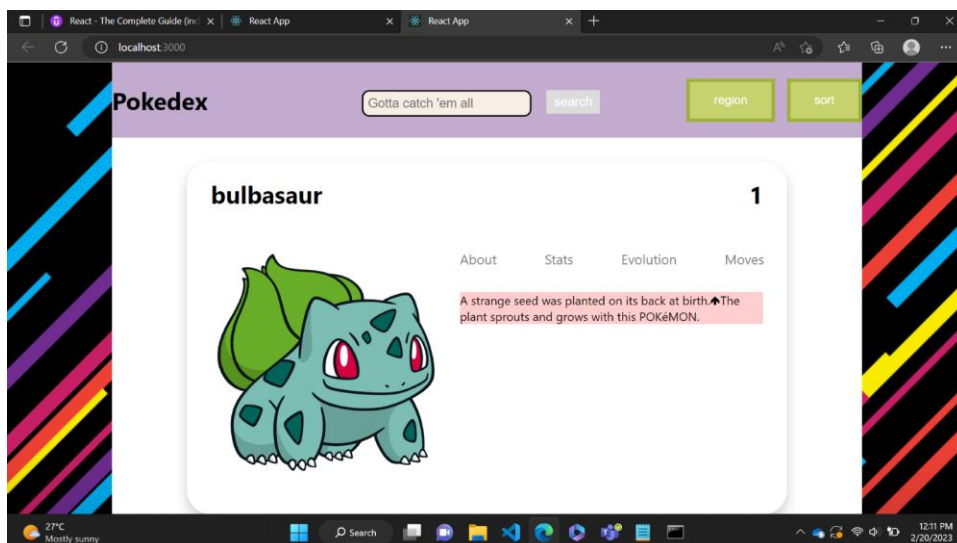


Add new task screen.

Pokedex application



Pokedex home screen



Pokemon Details screen

Certifications Completed under Internship and Self Study

Under the internship and self-study, I completed several certifications to enhance my skills and knowledge. The following are the certifications I achieved:

Udemy:

Build Responsive Real-World Websites with HTML and CSS:

This certification focused on developing responsive websites using HTML and CSS, covering topics like layout design, media queries, and optimizing for various devices.

React - The Complete Guide (incl Hooks, React Router, Redux):

This certification provided a comprehensive understanding of React.js, including React Hooks, React Router, Redux state management, and building scalable and performant React applications.

LinkedIn Learning:

Agile Foundation:

This certification provided foundational knowledge of agile methodologies, principles, and practices, enabling effective collaboration and project management in an agile environment.

CSS Essentials Training:

This certification focused on CSS fundamentals, teaching techniques for styling web pages, working with selectors, layout positioning, and responsive design.

Git from Scratch:

This certification covered the basics of Git version control, including repository creation, branching, merging, and collaborating with other developers using Git.

Next.js:

This certification provided an in-depth understanding of Next.js framework, covering topics like server-side rendering, static site generation, routing, and deployment.

React Essential Training:

This certification offered a comprehensive training on React.js, covering the core concepts, components, state management, and routing in React applications.

These certifications allowed me to gain valuable practical skills and theoretical

knowledge in web development, front-end frameworks like React.js, and agile project management methodologies. By completing these certifications, I acquired a solid foundation in the technologies and methodologies relevant to my role as a full-stack developer, enhancing my ability to contribute effectively to the development projects during my internship.

Time line

During my internship at Zapcom Solutions, I embarked on a journey of learning and growth as a full-stack developer. Here is a detailed timeline of my internship experience:

January 2023

On the 4th of January, I joined Zapcom Solutions and officially began my internship. Under the guidance of my mentor, I started immersing myself in the CSS HTML Complete course. This course laid the foundation for my frontend development skills.

February 2023

In February, I successfully completed the CSS HTML Complete course, gaining proficiency in HTML and CSS.

Building upon my frontend skills, I delved into the React Complete course. This course provided comprehensive knowledge of React.js and its associated libraries and concepts.

March 2023

By March, I had completed the React Complete course, solidifying my understanding of React.js and its core principles.

Armed with my newfound knowledge, I commenced the practical implementation of vanilla CSS and React.js by working on real-world applications.

As a result, I developed a Pokedex application using React.js. This application utilized an API to retrieve and display information about different Pokémon.

April 2023

In April, I successfully wrapped up the development phase of the NoteSpace application, a note-making and scrum management tool that I designed and built from scratch using React.js.

I presented the NoteSpace application to the management team for their review and feedback, which further enhanced my understanding of the development process.

May 2023

The month of May brought an exciting challenge as I was assigned to the main development team responsible for migrating an existing Angular project to React. This project was crucial for the Peditasure Abbott application, which involved redeeming points, product information retrieval through QR code scanning, and other features.

I played a pivotal role in developing all the UI screens for this migration project, ensuring

an exact replication of the design and functionality from the Angular project to React.

June 2023

In June, I temporarily put the Angular to React migration project on hold, and I transitioned to a new project called Suntec. This assignment presented me with fresh responsibilities and opportunities to further sharpen my skills.

Throughout my internship, I gained hands-on experience in frontend technologies like HTML, CSS, and React.js. I also had the opportunity to work on real-world projects, collaborate with a development team, and apply my skills in building applications. The diverse range of projects provided me with valuable insights into different aspects of full-stack development and contributed to my overall growth as a developer.

My Experiences of Internship

During my internship at Zapcom Solutions, I had a transformative experience that not only expanded my technical skills but also provided valuable insights into the IT industry. Reflecting on my internship, I would like to share some of my key experiences and takeaways:

Hands-on Learning: The internship provided me with a platform to apply my theoretical knowledge in a practical setting. Working on real-world projects allowed me to gain hands-on experience with various technologies and frameworks. From building responsive websites with HTML and CSS to developing dynamic applications using React.js, I was able to see the direct impact of my work and enhance my coding abilities.

- **Collaborative Environment:** One of the highlights of my internship was the collaborative work environment. I had the opportunity to work closely with experienced developers and learn from their expertise. Teamwork and effective communication were crucial in ensuring the success of our projects. Collaborating with professionals from different backgrounds and skill sets broadened my perspective and improved my ability to work in a team setting.
- **Agile Development Methodologies:** Being part of an agile development team exposed me to agile methodologies such as Scrum. Daily stand-up meetings, sprints, and sprint reviews became integral parts of my routine. This experience enhanced my understanding of iterative development processes, effective task management, and the importance of adapting to changing project requirements.
- **Project Ownership:** Throughout my internship, I was given the opportunity to take ownership of various projects. This allowed me to showcase my problem-solving skills, creativity, and attention to detail. Having the freedom to make decisions and implement my ideas boosted my confidence and provided a sense of accomplishment.
- **Continuous Learning:** The field of technology is constantly evolving, and my internship emphasized the importance of continuous learning. I actively sought out new tools, technologies, and frameworks to stay updated and improve my skills. Online courses, certifications, and self-study played a significant role in expanding my knowledge base and staying relevant in the industry.
- **Professional Growth:** The internship provided a platform for personal and professional growth. It helped me understand the challenges and dynamics of the IT industry, sharpened my problem-solving abilities, and improved my time management skills. Additionally, I gained exposure to project management, client interactions, and the overall software development lifecycle.

Overall, my internship at Zapcom Solutions was a rewarding and enriching experience. It equipped me with practical skills, fostered personal growth, and deepened my passion

for full-stack development. I am grateful for the opportunities I received, the guidance from mentors, and the collaborative environment that nurtured my growth. I look forward to applying the knowledge and experiences gained during my internship to future endeavors in the IT industry.

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Udemy:

Website: <https://www.udemy.com/>

Udemy is an online learning platform with a wide range of courses, including web development, full-stack development, and specific technology stacks.

LinkedIn Learning:

Website: <https://www.linkedin.com/learning/>

LinkedIn Learning offers a vast library of online courses and tutorials covering various topics, including software development, web development, and programming languages.