



ZAPCOM INTERNSHIP 2023 REPORT

Siddharth Bhattacharjee

2007

GOA UNIVERSITY MCA 2020-2023

REPORT OF INTERNSHIP DONE AT ZAPCOM SOLUTIONS PVT LTD

Completed by :

Siddharth Bhattacharjee

2007

for the partial fulfillment of
MCA Degree for Semester VI
Discipline of Computer Science and Technology,
Goa Business School,
Goa University

At

Zapcom Solutions Pvt Ltd
Sigma Technology Park, State Highway 35,
Phase 2, Whitefield, Bengaluru,
Karnataka 560066

Under the guidance of

Amit Gehelot
(Senior Software Engineer, Zapcom)

&

Subramanian Arumugam
(Senior Delivery Manager, Zapcom)



1st June 2023

TO WHOMSOEVER IT MAY CONCERN

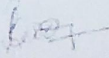
This is to inform you that Mr. Siddharth Bhattacharjee, student of Master of Computer Applications (MCA) of Goa University, Goa, is currently undergoing his final semester project (Semester VI/V) at our company, Zapcom Solutions Pvt. Ltd from 4th January, 2023.

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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Zapcom Solutions Pvt. Ltd.
9th Floor, Gamma Tower, Sigma Soft Tech Park,
Whitefield, Bangalore - 560066
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105 Decker Court, Ste. 810 Irving,
TX 75063
Ph: (972)441-2083

GOA UNIVERSITY



GOA BUSINESS SCHOOL

CERTIFICATE OF EVALUATION

This is to certify that Mr. Siddharth Bhattacharjee has successfully completed her internship at Zapcom Solutions Pvt Ltd, Bangalore, 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

Goa University

Dean, Goa Business School

ACKNOWLEDGEMENT

This internship report is an accumulation of many people's endeavors. But at the beginning I would like to convey my sincere appreciation to the almighty God for giving me the strength and the ability to finish the task within the planned time. Then I would like to express my sincere gratitude to everyone who contributed towards preparing and making this study successfully. Major contribution was received from the development team of Zapcom Solutions Pvt Ltd. as well as from the Accounts and HR department. To prepare this internship report considerable thinking and information input from various sources were involved.

I would like to thank Mr. Kishore Pallamerreddy (CEO, Zapcom) for giving me the opportunity to intern at Zapcom. My sincere and immense gratitude to my internship mentors Mr. Amit Gehelot (Senior Software Engineer, Zapcom) Mr Subramanian Arumugam (Senior Delivery Manager, Zapcom) Mr. Jeff Torcato (Senior Software Engineer, Zapcom), Mr. Mr. Eswaran Pragasam (Lead – Software Engineer, Zapcom), for mentoring me throughout this internship.

I thank Mr. Ramdas Karmali (Prof. MCA, Goa Business School, Goa University), Mr. Hanumant Redkar (Prof MCA, Goa Business School, Goa University) and all the faculty of MCA and Non-Teaching staff, Goa University for their constant encouragement and support during the project work.

I am also grateful to my seniors along with my friends and family members who helped me while preparing the study by giving their suggestions, assistance and supply of information, which were valuable to me. Their helping hand supported me to complete my report.

Finally, I would like to express my gratitude towards the Zapcom family who were always ready to help me and guide me in all aspects of life.



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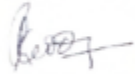
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INTRODUCTION

This report is a short description of my full-time on-site internship at Zapcom, Bangalore. I joined as an Intern at Zapcom on 4th January 2023. This report contains necessary information about the organization, the projects and mini projects I worked on and the other tasks and special training I completed in this internship period. In the chapters that will follow, I will talk about the company, the work here, the culture, etc. Then, I shall elaborate on the projects I worked on, a brief information about the projects, the modules I built 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

Zapcom is a boutique engineering solutions firm with a product mindset that has the ability to inspire, engage and transform. The company is passionate about building digital products and platforms that can bend revenue and cost curves. We design, build, operate and optimize technology for our clients by leading their digital transformation journey.

We serve our customer with a unique approach which includes Solution co-creation, Elasticity, Security first, Metrics driven, Automate, Product Mindset and Customized DevOps pods from our five global locations Dublin – California, Dallas – Texas, Heredia – Costa Rica, Hyderabad – India, Bangalore – India.



With the experience acquired over delivering 100s of projects successfully, we have designed the ways of working that are right for the client's outcome. We are passionate about building digital products and platforms that can bend revenue and cost curves. We design, build, operate and optimize technology for our clients by leading their digital transformation journey.

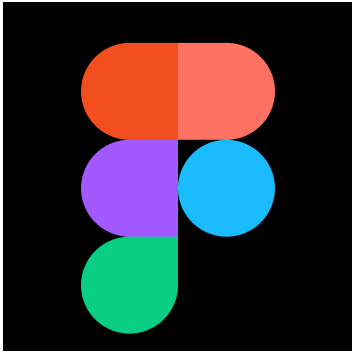
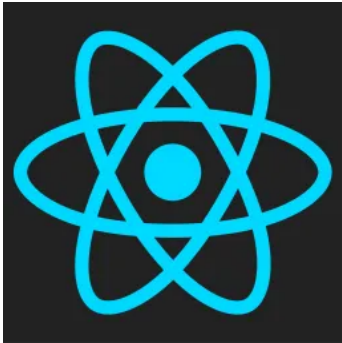


Website: <https://zapcg.com/>






CERTIFICATIONS COMPLETED UNDER INTERNSHIP AND SELF STUDY

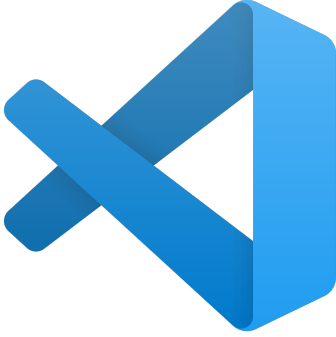



LinkedIn Learning Certificates

- CSS Essential Training
- React Essential Training
- React Hooks
- React building an Interface
- Javascript Essential Training
- Git from scratch
- Node.js Essential Training
- Speaking Confidently and Effectively
- Emotional Training for Project Managers
- The Art of Photo Composition
- Managing your Mental Health in your first corporate job
- Agile Foundations

TOOLS AND TECHNOLOGIES USED

| | |
|---|---|
|  | <p>Figma is a collaborative web application for interface design, with additional offline features enabled by desktop applications for macOS and Windows. The feature set of Figma focuses on user interface and user experience design, with an emphasis on real-time collaboration, utilizing a variety of vector graphics editor and prototyping tools. The Figma mobile app for Android and iOS allows viewing and interacting with Figma prototypes in real-time on mobile and tablet devices.</p> |
|  | <p>React is a free and open-source front-end JavaScript library for building user interfaces based on UI components. It is maintained by Meta and a community of individual developers and companies.</p> |
|  | <p>Material UI is an open-source React component library that implements Google's Material Design. It includes a comprehensive collection of prebuilt components that are ready for use in production right out of the box. Material UI is beautiful by design and features a suite of customization options that make it easy to implement your own custom design system on top of our components.</p> |
|  | <p>Redux is an open-source JavaScript library for managing and centralizing application state. It is most commonly used with libraries such as React or Angular for building user interfaces. Similar to Facebook's Flux architecture, it was created by Dan Abramov and Andrew Clark.</p> |

| | |
|---|--|
|  | <p>Node.js is an open-source, cross-platform, back-end JavaScript runtime environment that runs on the V8 engine and executes JavaScript code outside a web browser.</p> |
|  | <p>Swiper is the most modern free mobile touch slider with hardware accelerated transitions and amazing native behavior. It is intended to be used in mobile websites, mobile web apps, and mobile native/hybrid apps.</p> |
|  | <p>Framer Motion is a simple yet powerful motion library for React.</p> |
|  | <p>Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains HTML, CSS and (optionally) JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components.</p> |
|  | <p>EmailJS is a JavaScript library that helps send emails using only client-side technologies. The cool thing about EmailJS is that no servers are required; all you have to do is connect it to one of the supported email services, create an email template, and use EmailJS to trigger an email.</p> |

| | |
|---|---|
|  | <p>Visual Studio Code, also commonly referred to as VS Code, is a source-code editor made by Microsoft with the Electron Framework, for Windows, Linux and macOS. Features include support for debugging, syntax highlighting, intelligent code completion, snippets, code refactoring, and embedded Git. Users can change the theme, keyboard shortcuts, preferences, and install extensions that add functionality.</p> |
|  | <p>Express is a minimal and flexible Node.js web application framework that provides a robust set of features for web and mobile applications.</p> |
|  | <p>Azure DevOps is a software as a service (SaaS) platform that provides DevOps practices and tools for the end-to-end software life cycle. Azure DevOps is not limited to internal tools but is able to integrate with most other industry leading DevOps tools</p> |
|  | <p>GitHub is a code hosting platform for version control and collaboration. It lets you and others work together on projects from anywhere.</p> |

PROOF OF CONCEPT - 1

PROBLEM STATEMENT

Design UI screens :

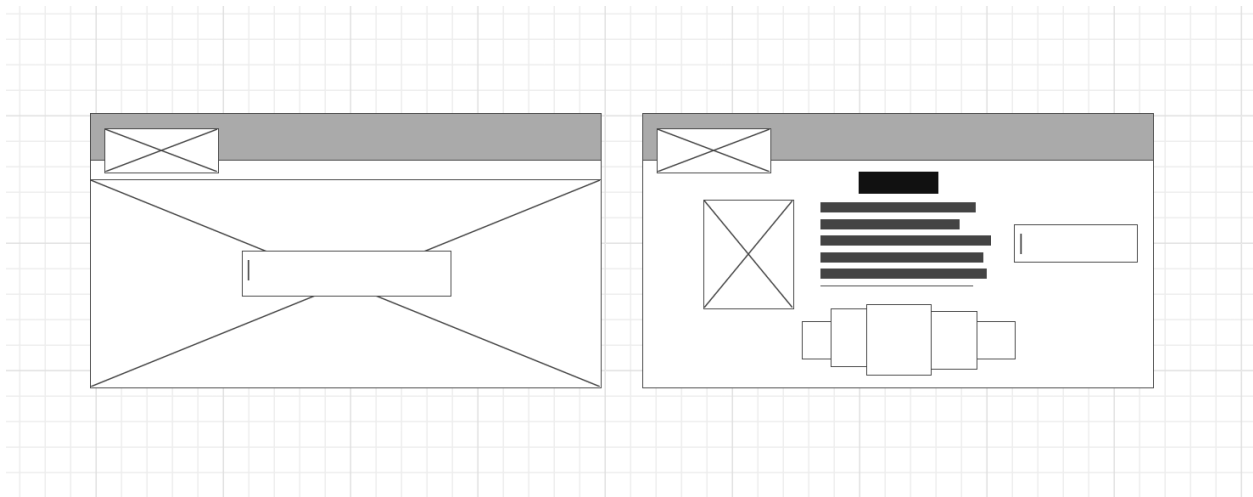
- To list movies with search functionality and pagination
- For the movie detail screen.

Note: It should be mobile responsive

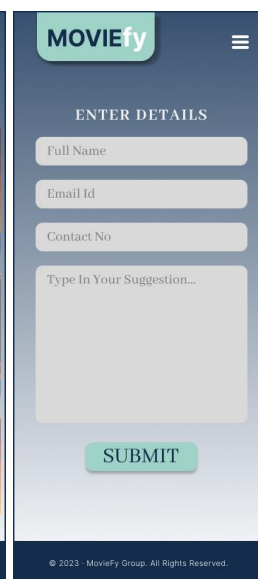
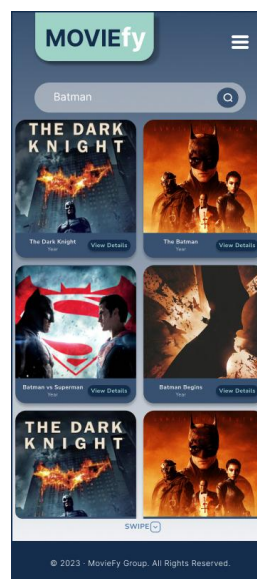
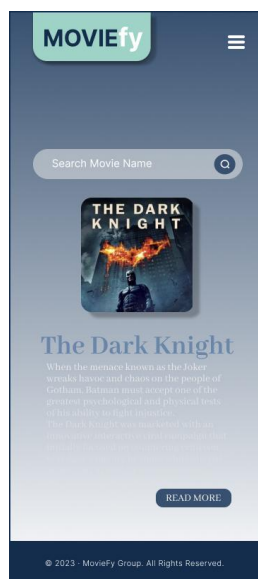
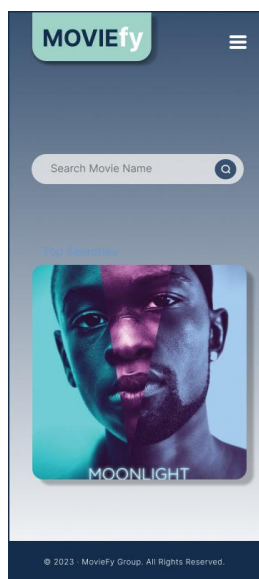
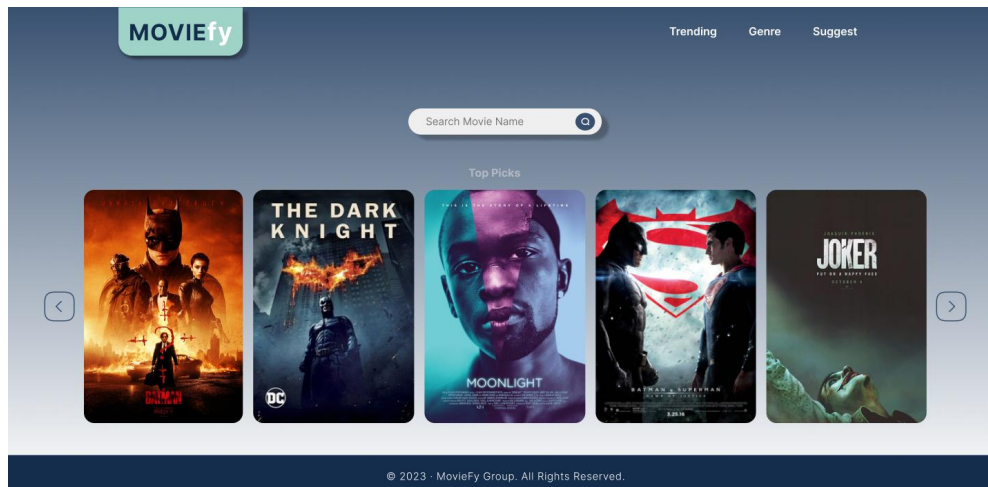
TOOLS AND TECHNOLOGIES USED

- Wireframe.cc
- Figma

WIREFRAME



PROJECT SCREENSHOTS



PROOF OF CONCEPT - 2

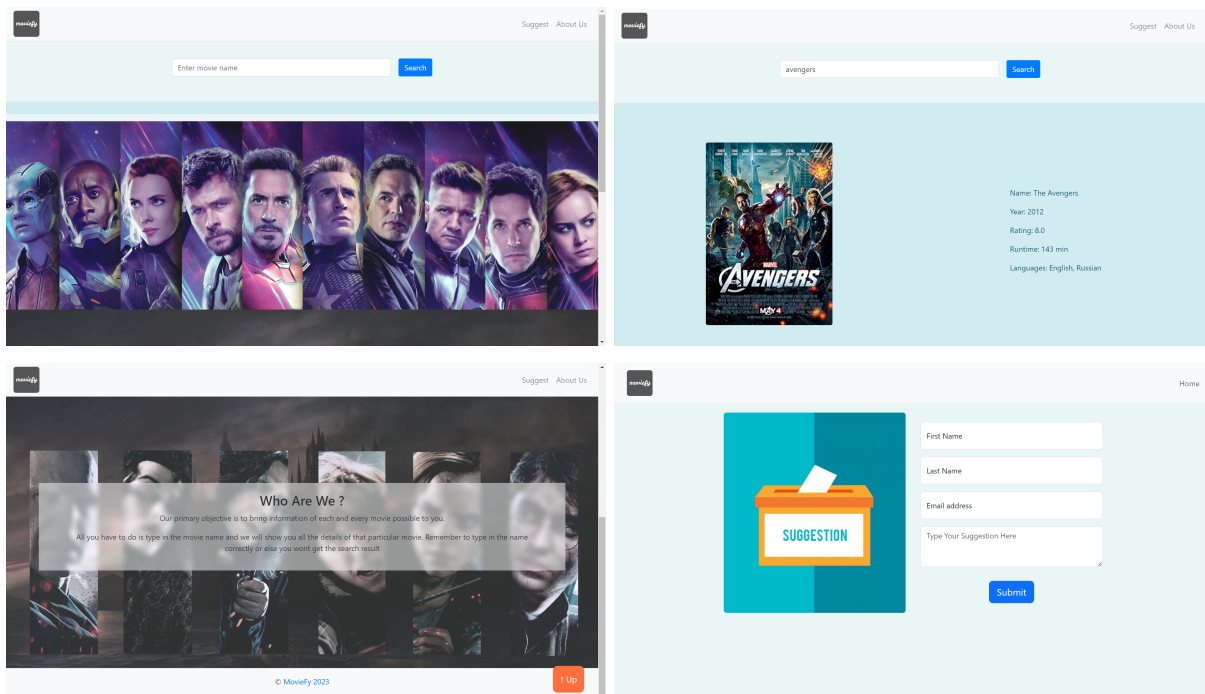
PROBLEM STATEMENT

Using the OMDb API and the Design screens created in the earlier POC, build a website to search for movie information according to the user's search. The OMDb API is an open REST webservice to obtain movie information.

TOOLS AND TECHNOLOGIES USED

- Html
- Css
- Js
- Bootstrap
- OMDb API

PROJECT SCREENSHOTS



PROOF OF CONCEPT - 3

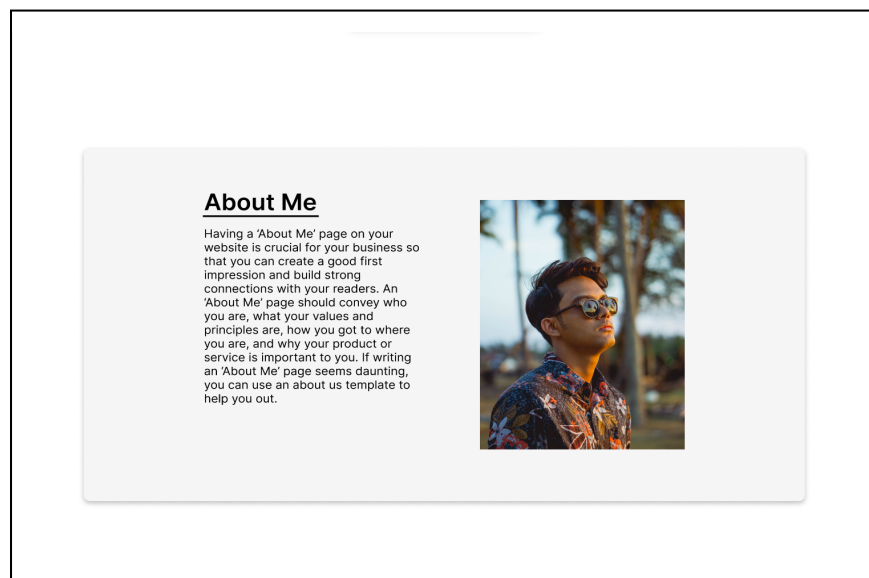
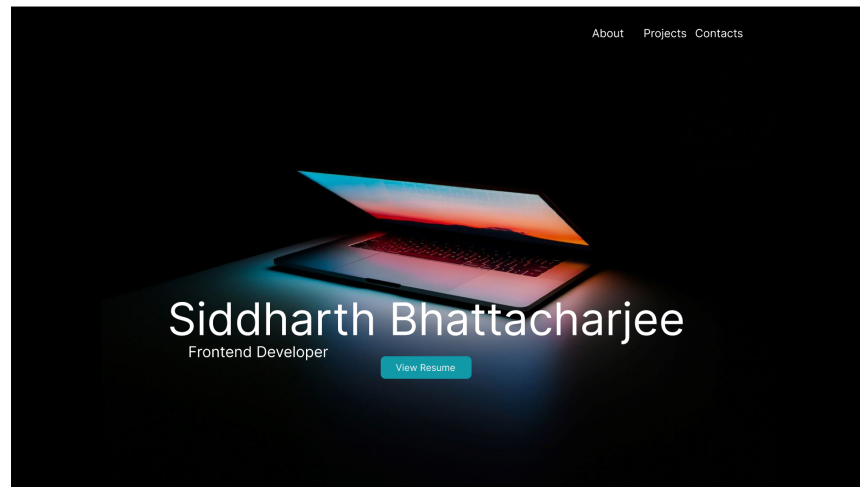
PROBLEM STATEMENT

Design screens for a portfolio site in Figma and develop the same with React and basic CSS

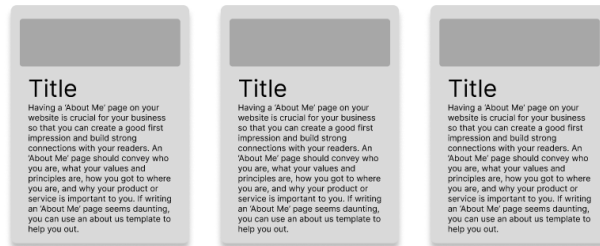
TOOLS AND TECHNOLOGIES USED

- Figma
- React
- CSS

PROJECT SCREENSHOTS



My Projects



Having a 'About Me' page on your website is crucial for your business so that you can create a good first impression and build strong connections with your readers. An 'About Me' page should convey who you are, what your values and principles are, how you got to where you are, and why your product or service is important to you. If writing an 'About Me' page seems daunting, you can use an about us template to help you out.

[Download Resume](#)

Phone: 9989876512
Email: iamofficial@gmail.com

LinkedIn
Github
Unsplash

Fill Out The Form Below

Enter Your Name

Enter Your Phone No.

Write Your Message Here....

Submit

PROOF OF CONCEPT - 4

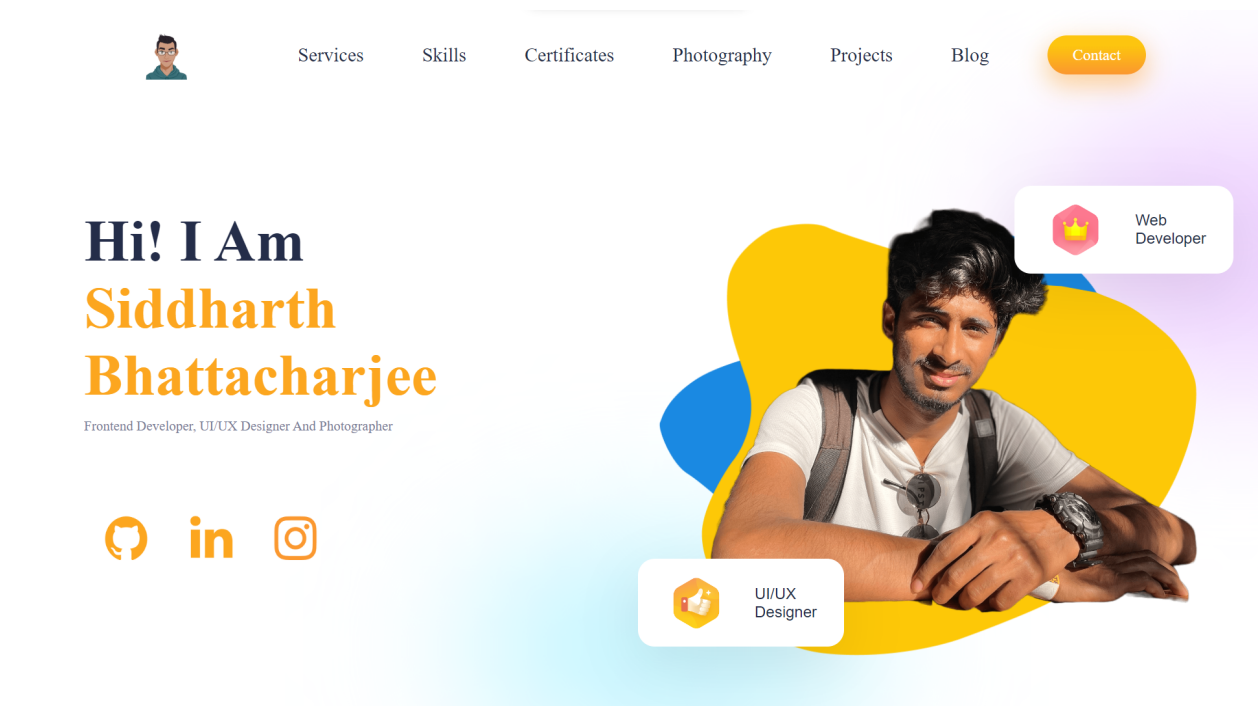
PROBLEM STATEMENT

Develop a portfolio site using React

TOOLS AND TECHNOLOGIES USED

- Vanilla CSS
- React
- Email Js
- Framer Motion
- Swiper Js

PROJECT SCREENSHOTS



My Services

I can design UI for your website
Build sites using React and various CSS frameworks
Help you with your photography needs

[Download CV](#)



UI/UX

Figma, Adobe XD, Photoshop



Web Development

Html CSS React-Js Vanilla-
CSS Bootstrap Material UI



Photography

Semi Professional Mobile
Photography

Photography

3+

months
Experience

10+

completed
Projects

1+

companies
Work



Certificates From LinkedIn

Some certificates acquired by completing courses from the LinkedIn learning portal

[View More](#)

Some Clicks

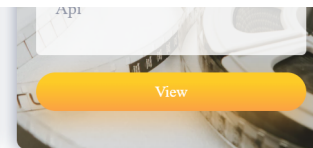
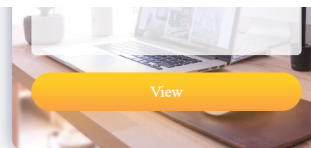
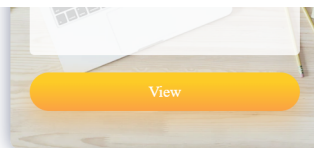
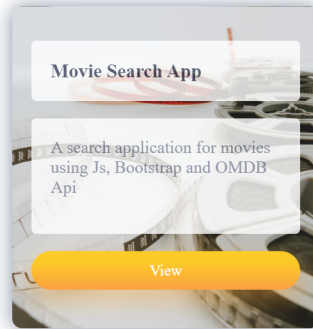
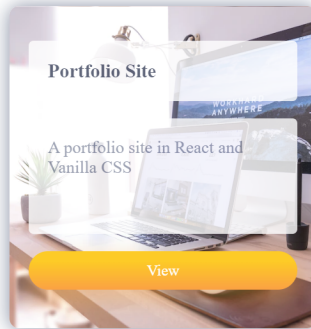
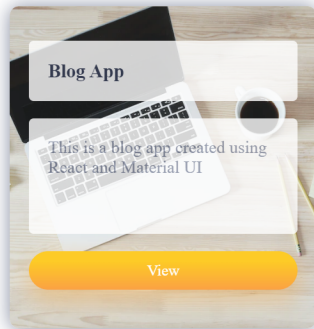
A hobby photographer who takes out his phone whenever theres something worth capturing behind the lens

[View Unsplash](#)





Recent Projects



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Contact me

Send

Link : siddharthb98.netlify.app

Client Project - Design tasks

PROBLEM STATEMENT

Figma Designs for

- UI/UX screens for Mobile App as per BRD requirements
- UI/UX screens for Admin Portal as per BRD requirements

TOOLS AND TECHNOLOGIES USED

- Figma

Client Project - Development tasks

PROBLEM STATEMENT

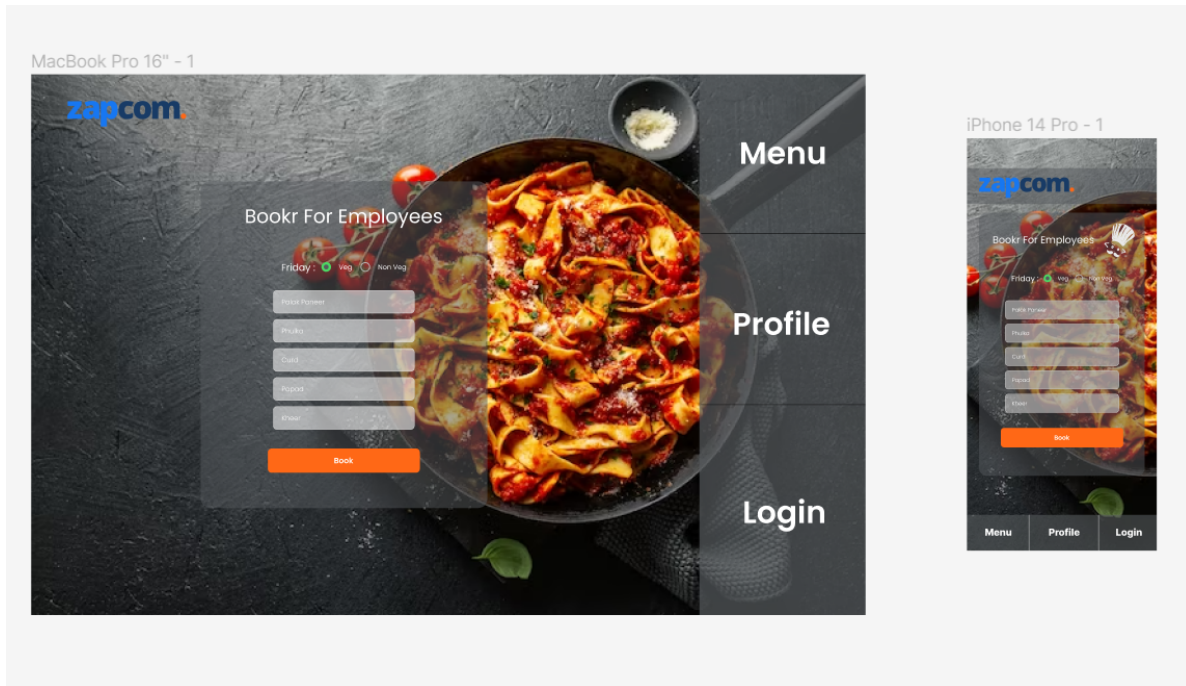
Develop the merchant section screens for the admin portal which has functions like adding a merchant, updating merchant details , viewing merchant details and deleting a merchant from the database

TOOLS AND TECHNOLOGIES USED

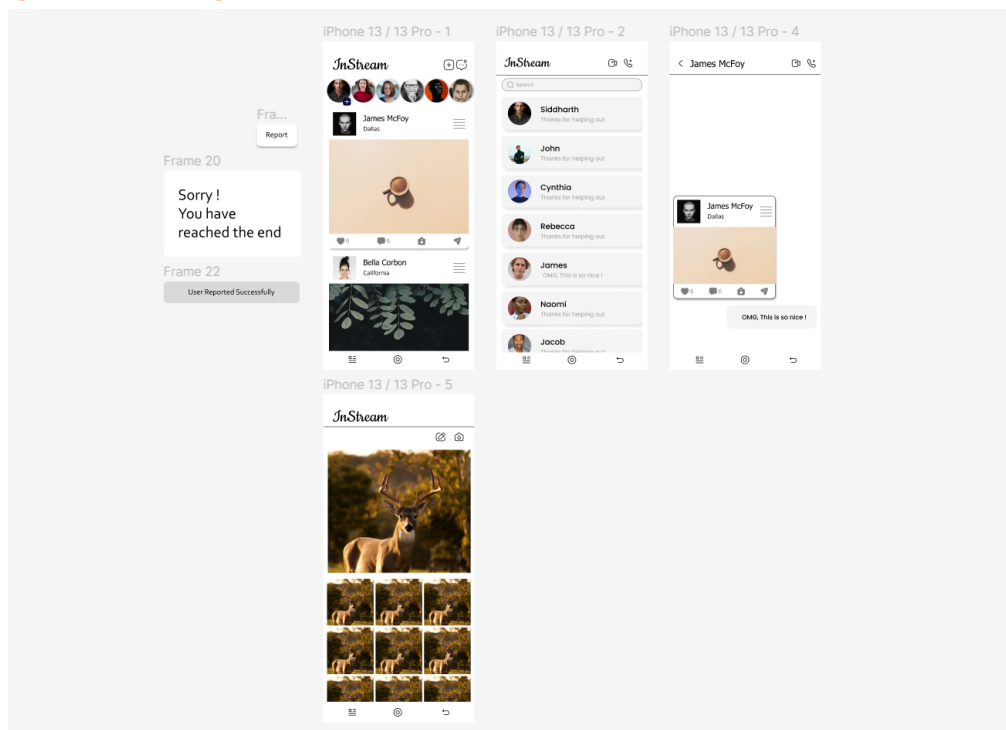
- React (Typescript)
- MUI (Material UI)

OTHERS (Practice Work)

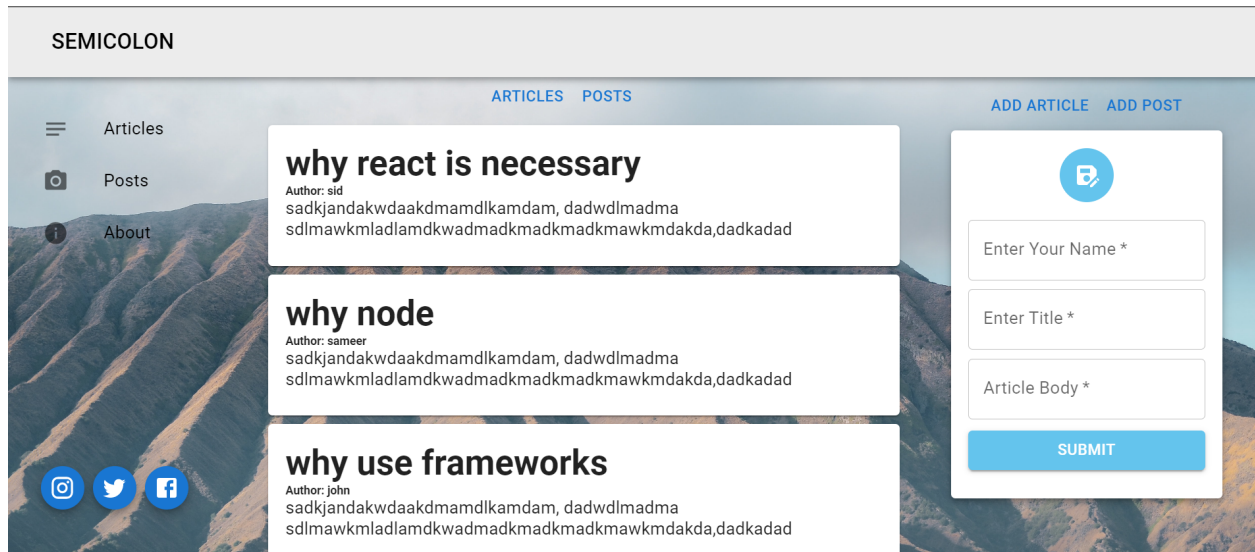
Lunch app for Zapcom



Messaging app like Instagram



Semicolon - A Blog App



SUMMARY OF LEARNINGS

What I like about my internship experience

I like how interns are treated just like full-time associates and get assigned actual and meaningful tasks which are crucial and beneficial to the company's clients. It feels great to be a part of the actual development team working for a client. I was assigned design tasks for a client which was appreciated and complemented by the senior leadership team. The best part of the internship were these gathering events that were full of fun and along with that an opportunity to connect with other employees of Zapcom.

What I learnt from my internship

I gained deeper insights into the IT industry and it will help me significantly with my career planning. We completed LinkedIn learning certifications for a varied list of topics including mental health awareness. I developed a better understanding of the career path of a web developer and UI/UX design through the internship, helping me to make an informed career decision. My biggest takeaway would be the new long-term relationships and connections which I had forged with my colleagues, seniors and fellow interns at Zapcom.

MY EXPERIENCE AT ZAPCOM

My Internship at Zapcom has been a wonderful experience. It was very insightful and I was intrigued by the family culture at Zapcom after speaking to some of my seniors who had gone to Zapcom through university placement in the previous years. As Zapcom provides technology solutions on a global scale, I felt that an internship at Zapcom was a great platform for me to gain deeper insights into the IT industry and explore the development field along with designing.

INTERNSHIP TIMELINE

January

- Interaction with the HR team, CEO & COO, seniors from the previous batch and Mentor assigned
- Brushing up on basics of Html Css and Js
- Learning the design principles related to UX design
- Learnt how to use the power of our mind to think for solutions to a problem (suggested by the mentor)
- Basic Git commands
- Learnt how and why to make wireframes
- Movie Search App wireframe and UX design
- Why mobile first design approach

February

- Figma Software for UI/UX design
- CSS
- Using CSS frameworks like Bootstrap
- Type of requests that can be send to server

March

- Working on the design and idea of a Blog app
- Started learning React basics
- Learnt how to use Material UI in react by referring docs

April

- Worked on the design of portfolio site on Figma and finished building it using React and hosted it on Netlify
- Created a portfolio site v2.0 using react and pure vanilla css by going through the css courses on LinkedIn Learning and youtube tutorials
- Learnt version control by continuously creating new branches for new features to be added to the project and pushing the code to remote repo
- Hosted the portfolio site on Netlify and pushed code on the github repository.
- Had the internship review with the managers and mentors where the project was shown

May

- Started the design screens for the login module of Suntec client project app referring to the BRD and flow diagrams shared
- Worked on the splash screens
- Designing the Scan section screens
- Screens for the Buy eVoucher section
- Making the entire prototype to be presented to the client
- Store Locator screens and flow
- Referral Link design and flow
- Making the changes asked by the client side team for all the screens of the app

June

- Designing a basic design for the Zapcom lunch booking app
- Started design for the basic layout idea for the Suntec Admin Portal according to the BRD
- Working on the development of the Merchant Management section of the admin portal

REFERENCES

[Getting started with React - Learn web development | MDN \(mozilla.org\)](#)

[Overview - Material UI \(mui.com\)](#)

[Get started with Bootstrap · Bootstrap v5.3 \(getbootstrap.com\)](#)

[CSS Tutorial \(w3schools.com\)](#)

[Swiper React Components \(swiperjs.com\)](#)

[Getting Started | EmailJS](#)

[Framer — Design and ship your dream site. Zero code, maximum speed.](#)

[Redux - A predictable state container for JavaScript apps. | Redux](#)

[GitHub: Let's build from here · GitHub](#)

[npm \(npmjs.com\)](#)

[Express - Node.js web application framework \(expressjs.com\)](#)