

“Heaven’s light is our guide”



AN INDUSTRIAL ATTACHMENT EXPERIENCE
WITH AN EDUCATIONAL WEBSITE
at **MONSTARLAB BANGLADESH**

Industrial Training (ECE 4100)

by

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October, 2024

DECLARATION:

This is to certify that, the work titled “AN INDUSTRIAL ATTACHMENT EXPERIENCE WITH AN EDUCATIONAL WEBSITE at **MONSTARLAB BANGLADESH**” has been completed by Md. Abdur Rahman, Roll: 1910055, under my supervision in the Department of Electrical and Computer Engineering at Rajshahi University of Engineering & Technology. This document has not been presented to any other university or organization, ensuring that it meets the goals and objectives of the field attachment. Any citations, quotes, or references to the works of others have been properly acknowledged.

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.....

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Acknowledgment:

This report has been submitted to the Department of Electrical & Computer Engineering of Rajshahi University of Engineering & Technology (RUET), Rajshahi-6204, Bangladesh, for the requirements of the course ECE 4100: Industrial Training. Report title regards to “AN INDUSTRIAL ATTACHMENT EXPERIENCE WITH AN EDUCATIONAL WEBSITE at **MONSTARLAB BANGLADESH**”.

I would like to start by thanking Allah for giving me the time, energy, skills, and motivation to complete my field attachment and write this report. I received great support and collaboration during my industrial attachment training at Monstarlab Bangladesh.

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I specially want to thank **Utpal Barman**, who took part in our training session and offer crucial support and guidance.

Md. Abdur Rahman
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October, 2024
Ruet Rajshahi

CERTIFICATE:

Certificate of Completion

This Certificate is presented to

Md. Abdur Rahman

For successfully completing the industrial attachment training conducted from March 19 to April 2, 2024, with a duration of 2 weeks at Monstarlab Bangladesh.

Susmita Saha

PEOPLE & CULTURE BUSINESS PARTNER

S M Asad Rahman

CTO

Monstarlab ::

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Chapter 1: Organization Overview

1.1 About MONSTARLAB

Monstarlab[1] is a global company specializing in digital product development. They provide complete digital solutions, including mobile and web app development, back-end systems, APIs, immersive technologies, cloud engineering, and more. Headquartered in Tokyo, Japan, Monstarlab focuses on creating beautifully designed and well-engineered digital products that drive growth for businesses, customers, and society. Their team of 1,400 experts, from over 55 nationalities, works across the world to deliver impactful solutions quickly.



Figure 1 Monstarlab logo



Figure 2 Monstarlab Workspace

1.2 Background

Hiroki Inagawa founded Monstarlab in 2006 after 7 years of experience with US-based consulting firms and web technology startups. He started by creating an online music marketplace in Japan and built up the company into a global development group with over 1,200 people in 25 offices across 16 countries by blending growth through internal expansion and by M&A. Monstarlab has some of the world's best developers, designers and project strategists working on the most complex challenges of our time.

Blending strategic thinking with stunning design and cutting-edge technology to engineer awesome solutions. By challenging themselves to create unique centers of excellence in developing countries like even Gaza they lay the seeds for new opportunities for growth by nurturing the talents of the next generation of creators.

1.3 MONSTARTLAB Office location



Figure 3 MONSTARTLAB Office location world wide

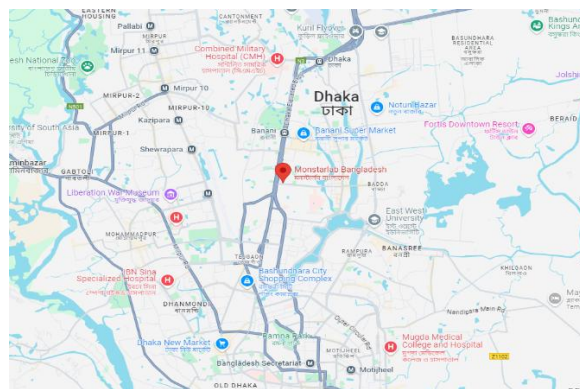


Figure 4 MONSTARTLAB Office location Dhaka

1.4 Values

Values of Monstarlab:

1.4.1 Amplify Your Impact

Cultivate a curious mind, have fun and never stop learning. Team up with the right people and leverage technology to amplify a good idea into something amazing that can benefit millions.

1.4.2 Be Border less

Be open to different perspectives and embrace diversity. Our connected world provides endless opportunities, so find new paths, build new relationships and experience all you can.

1.4.3 Create Value

We earn the right to work with our clients; it's our job to make a great business even better. Be bold, move quickly, and always deliver quality.

1.4.4 Do What's Right

We're all responsible for our actions and the effect they have on the world. Stand for what you believe in, even when that's hard. Be kind and try to make the world around you a better place.

1.5 Clients

Some of the notable customers of Monstarlab are:



Figure 5 Customers of Monstarlab

1.6 Technology

Monstarlab uses a wide range of technologies to build digital products. For web and mobile app development, they work with programming languages like JavaScript (using Node.js for the backend and React.js or Angular for the frontend), Python, Java, Swift, and Kotlin. They also rely on frameworks and tools such as Express.js, Django, Spring, React.js, and Angular to streamline the development process. For databases, they use MongoDB, PostgreSQL, MySQL, and Firebase. Mobile apps are developed using platforms like React Native, Flutter, or with Swift for iOS and Kotlin for Android. Monstarlab follows DevOps practices and uses tools like Docker and Kubernetes for smooth deployment, along with cloud services like AWS, Azure, and Google Cloud to ensure scalability.

Chapter 2: Introduction

2.1 Motivation

Embarking on the journey of industrial attachment at Monstarlab Bangladesh has been a deliberate and motivated choice driven by my passion for digital product development and the desire to augment my academic learning with real-world experience. We were a group of 6 people assigned with unique fundamental roles for the successful completion of the food delivery website. Cutting-edge coding adhering to industry standards was seamlessly executed, embracing the agility of Agile methodologies for optimal project efficiency.

2.2 Introduction to industrial training

Participating in an industrial attachment program gives undergraduate students the ability to apply the theoretical knowledge they have learned during their academic careers at the university to the real world of technology, its applications, and practical experiences. By keeping participants up to date with new technological advancements, these programs aim to enhance their skills and broaden their understanding of the sector. We completed our training physically one day and rests are online session at Monstarlab Bangladesh. The two weeks of practical training I received at Monstarlab Bangladesh in Dhaka led to the creation of this report.

2.3 Scope

This report is crafted with a focus on educational objectives and the stipulated requirements for an industrial attachment. It delves into the challenges encountered by both direct and indirect aspects of the software industry, with a heightened emphasis on full-fledge development process of project on the basis of industry standards.

2.4 Goals of Field attachment

- To be exposed to job pressures and learn how to manage and respond to them, i.e., learn to meet deadlines.
- Develop the capacity to swiftly adjust to shifting work settings.
- To provide the student an opportunity to discover how to collaborate with others and communicate with professionals in the industry.
- To give the learner the opportunity to acquire more beneficial skills.
- To provide the student an opportunity to put their recently obtained theoretical knowledge into practice.
- To familiarize pupils with a technology environment that is quickly changing.

2.5 Limitations

During the project completion, one notable limitation arose from time constraints, given the brief two-week duration of the attachment. Additionally, certain constraints within Monstarlab's operations, such as project confidentiality and specific organizational protocols, impacted the depth of project engagement. Moreover, we had visited physically only one day with session and others session was conducted in online.

2.6 Conclusion

Throughout the internship, not only did I benefit from valuable educational and skill development opportunities, but I also had the privilege of networking with influential figures and industry leaders. In my comprehensive report, I meticulously outlined my pivotal roles as both a team lead and frontend engineer, organizational landscape and delved into the intricacies of my experiences. Culminating in a thorough self-evaluation, the report stands as a testament to my commitment and achievements during the internship, showcasing a high standard of reflection and analysis.

Chapter 3: Industrial Attachment Experience

Overview

The course descriptions within our academic program are meticulously crafted to serve distinct purposes, shaping students to be thoroughly prepared upon graduation. Similarly, the apprenticeship program holds a specific intent. Foremost among the benefits of the internship is the unparalleled opportunity for students to gain hands on, real-world experience in their chosen industry, a facet unparalleled in a traditional classroom setting. Equally significant is the cultivation of professional conduct, encompassing traits such as responsibility, punctuality, politeness, and consideration. This experience during industrial attachment is pivotal, providing invaluable preparation for future professional life. This chapter describes my experiences with the industrial attachment undergoing a duration of 14 effective days in hybrid structure as it took place both onsite and online involving Monstarlab Bangladesh.

The attachment program took place for 14 crucial days. The experiences gathered and skillsets performed during these days have been mentioned below:

3.1 Initializing React & Vite Project:

Built a solid basis for the development and used Create React[2] & Vite[3] App's features to make the setup process easier.

3.2 Seminar on Monstarlab and Project Management Workflow

In order to use industry best practices and improve overall project efficiency, we learnt how to integrate efficient project management processes into the project plan during the seminar held at Monstarlab Bangladesh.

3.3 Configured Firebase File and Updated Readme with Hosted URL (Feature)

The Firebase[4] file settings, along with a readme update that contains the hosted URL. These adjustments guaranteed a smooth interface with Firebase services and offered lucid project deployment and access documentation.

3.4 Font Family Setup According to Figma File UI Design (Style)

By matching the designated design components from the Figma file with brand colors and font families, we created the project's visual identity. Through conformance to the desired visual aesthetics, the improvements ensured a consistent and correct depiction of the UI design across the project.

3.5 Changed Color Variable Names and Added Newline at EOF (Fixed) To be more consistent and clearer, the names of the color variables have been changed. A newline has also been inserted at the end of the file to improve readability and follow coding guidelines.

3.6 Material UI, React Router Setup and .env File Addition (Feature) React Router setup and Material UI integration were carried out. To maintain environment-specific variables and provide a well-organized and scalable configuration for the project, a .env file has also been introduced.

Updated Table of Contents and Dependencies (Documents) Updated dependencies for the project to the most recent versions for improved security and stability. A comprehensive and well-organized summary of the project's structure and content is also provided by the revised table of contents.

3.7 Implemented Sign-up and Sign-in Button (Feature)

Sign-up and sign-in buttons were successfully incorporated into the project. The implementation complements the user authentication capabilities, improving the user experience overall and making it easier to access these important functionalities.

3.8 Implemented Navbar Logo (Feature)

The project was completed with the navbar logo incorporated. The solution contributes to a clean and branded user experience by strengthening the navigation bar's visual identity.

3.9 File Routing Structure Setup (Feature)

The implementation of a file routing architecture with React Router was done. An orderly and methodical approach to moving between various components is ensured by the implementation, which helps to create a well-structured and scalable project architecture.

3.10 Context API Setup (Feature)

The project's state management was improved by the adoption of the Context API. The configuration made sure that data was shared between components in an effective way, which encouraged a simple and manageable design.

3.11 Implementation of Banner Section (Feature)

The banner component of the project was developed successfully and executed. By implementing a crucial design component in accordance with project specifications, the implementation improves both the visual appeal and user experience.

3.12 Implementation of About Us Section (Feature)

It was completed to incorporate the About Us part into the project. By adding a vital component to the user interface, the implementation improves the entire user experience and provides information that is necessary.

3.13 Implementation of Banner Divider (Feature)

The project included the creation of the Banner Divider. By improving the banner section's visual layout, the implementation makes the user interface seem better and feel more professional.

3.14 Implementation of Testimonial Section (Feature)

Testimonial Section was added to the project. By displaying user comments and adding a useful element, the solution enhances the user experience and makes it more interesting and educational.

3.15 Implementation of Featured Dish Section (Feature) successfully implemented the featured dish section. The approach highlights important products and improves the UI's aesthetic appeal, adding an alluring element.

3.16 Implementation of Call to Action Section (Feature) included a section on calls to action into the project. By adding a crucial element, the implementation promotes user interaction and enhances the functionality of the user interface.

3.17 Implementation of Find Us and Contact Us Section (Feature)

The Find Us and Contact Us sections of the project were integrated. The implementation includes essential elements that make it easier for users to engage, such contact and location details for a complete user experience.

3.18 About Us Animations Hover and Refactorization of Codebase (Fixed)

Hover animations for the About Us area have been fixed, improving user interaction. Concurrently, the codebase saw reorganization, guaranteeing enhanced comprehensibility and sustainability for a more productive development procedure.

3.19 Implementation of Stay Up to Date Section (Feature)

Added a Stay Current component to the project. By adding a pertinent element, the implementation improves the user experience by allowing users to stay informed and involved with the most recent developments.

3.20 Implementation of Stay Up to Date Section (Feature)

Added a section about staying updated to the project. Through the introduction of a pertinent component, the implementation improves the user experience overall by allowing users to stay informed and involved with the most recent developments.

3.21 Implementation of Sign up (Feature)

The Sign-Up Section has been integrated into the project. With the inclusion of essential user registration fields and a seamless process for account creation, the implementation enhances the user experience, encouraging engagement and simplifying access to personalized features.

3.22 Implementation of Sign up (Fixed)

The Sign-Up Section error has been fixed and successfully integrated into the project. This update resolves any previous issues with user registration, ensuring a smoother and more reliable account creation process. The fix improves overall functionality, enhances user experience, and promotes easier access to the platform's features.

3.23 Implementation of Sign in (Fixed)

Implemented Sign in option and fixed it.

3.24 Implementation of Button Animation in Featured Dish Section (Feature)

Button in the Featured Dish Section now has animations. The addition of dynamic visual components by the implementation raises user engagement and makes the user interface more engaging and visually appealing.

3.25 Carousel Section (Fixed)

Issues with responsive design in the Carousel Section have been fixed. The approach improved the overall responsiveness of the carousel component by ensuring a consistent and aesthetically pleasant experience across a range of screen sizes.

3.26 Released Version 1.0.1 in GitHub

On GitHub, the official version 1.0.1 was made available. The release, which represents a turning point in the project's development, comes with upgrades, enhancements, and maybe bug patches. Users now have access to the most recent stable version, which is beneficial.

3.27 Experience

Monstarlab is a top global digital product development business that blends cutting edge technology, elegant design, and strategic thinking. I have the knowledge essential to understand the inner workings of large software companies and how the project management process is conducted thanks to my work experience as a Team Lead and Frontend Engineer at Monstarlab Bangladesh.

Using my skill sets, I increased my understanding of the following technologies and tools: Jira for project workflow management; Firebase Platform; Responsive Web Design; Vanilla CSS Animations & Transitions; React Component Library (Material-UI); Frontend JavaScript Library (React.js); Git & GitHub for collaboration.

3.28 Git & Github

We Worked together as a team of with Git and GitHub[5]. Git functioned as a decentralized version control system, enabling effective monitoring of code modifications and promoting smooth teamwork.

Code visibility, version history, and collaborative workflows were improved by the centralized repository that was made possible by the connection with the web-based platform GitHub. Code reviews, branching techniques, and pull requests all became essential elements that promoted an organized and cooperative development atmosphere. In addition to ensuring version control.

3.29 Daily Standup

During my industrial attachment, I participated in strategic project planning, problem-solving talks, and concentrated coding work during daily standups. These lively workshops not only improved my technical proficiency but also encouraged flexibility and proactive teamwork. Throughout the attachment, there were several possibilities for learning every day, which combined to provide a comprehensive and fulfilling experience.

3.30 SCRUM (Jira)

I took an active role in Scrum ceremonies during my industrial attachment, which were aided by Jira, an agile project management platform. These meetings—sprint planning, daily stand-ups, sprint reviews, and retrospectives— were crucial in putting organized, cooperative development procedures in place. Jira functioned as a focal point for overseeing user stories, monitoring advancement, and cultivating team communication.

The Scrum-Jira paradigm offered a methodical approach to project management that guaranteed flexibility, openness, and timely production of excellent outcomes.

3.31 Evaluation

A senior software engineer maintained a close eye on our contributions to the project progress and conducted a detailed performance review within a set time frame. I got helpful criticism on how I was doing, and that will be really helpful for my future professional goals.

3.32 Conclusion

I undertook the positions of both a Front-end Engineer and a Team Lead during my transformational industrial attachment at Monstarlab Bangladesh. As a team lead, project steering offered insightful experiences in productive teamwork, project management, and leadership. In addition, my work as a frontend developer gave me practical experience developing user-centered interfaces and integrating cutting-edge technology. My knowledge and comprehension of agile development processes have been further refined by my exposure to Jira project management tools and Scrum methodology. This all-encompassing experience at Monstarlab prepared the way for a bright future in the fast-paced sector of digital product development by strengthening my leadership and teamwork abilities in addition to my technical expertise.

Chapter 4: Project Part

4.1 Overview

One of the major objectives of this attachment is we tried to implement theoretical knowledge to build a real project in the field of web application development. Targets include mastering technical skills, achieving design excellence, showcasing project deployment expertise, demonstrating proficiency in CSS transitions, fostering collaborative development through Git and GitHub, and honing agile project management skills with tools like Jira. The targets are focused on technologies such as React.js, Material UI, and Firebase hosting. These specific goals are meant to offer a thorough and practical learning experience for upcoming projects involving the creation of digital products.

4.2 Plan to Develop

- ✚ Developing the Interface of an online education Website
- ✚ Header Section with Home, Courses, Quiz, Reviews, Contact, and About us
- ✚ Body Section with get started now (sign up and sign in page are there)
- ✚ All Courses Section with courses and reviews
- ✚ Featured Dishes Section
- ✚ Quiz Section
- ✚ About us Section
- ✚ Contact Section

4.3 Technology Domain

4.3.1. React.js

React.js was used as the main front-end development framework during the industrial attachment. React's component-based design made it easier to create scalable and dynamic user interfaces, which expedited the development process as a whole.

4.3.2. Material UI

By using Material UI, a set of React components, the project was enhanced with a unified and aesthetically pleasing design system. The pre-designed elements of Material UI ensured efficiency and uniformity while creating user interfaces that are responsive and dynamic.

4.3.3. Firebase Hosting Platform

Firebase Hosting Platform was employed for seamless deployment of the React project. Its integration provided a straightforward and scalable solution for hosting, ensuring accessibility

to end-users. This technology showcased effective deployment workflows and contributed to a smooth user experience.

4.3.4 Vanilla CSS Transitions and Animations

The UI was made more sophisticated by the use of standard CSS animations and transitions. Tailored transitions demonstrated a grasp of both React and CSS, improving the overall visual appeal and making the user experience more engaging.

4.3.5. Collaboration through Git and GitHub

GitHub and Git were essential for us to collaborative development. GitHub offered a centralized platform for efficient teamwork, code review, and project administration, while Git version control enforced a methodical approach to tracking changes.

4.3.6. Project Management Workflow using Jira

Jira has become a key project management tool that supports agile techniques. With tools like problem tracking, backlog management, and sprint planning, it simplified procedures. In line with industry best practices, this integration helped to create a workflow that was well organized and productive.

4.4 Website

We designed the website using Figma[6] made a website according to our design[5] and then deployed it using Firebase[7].

Header and Body Section

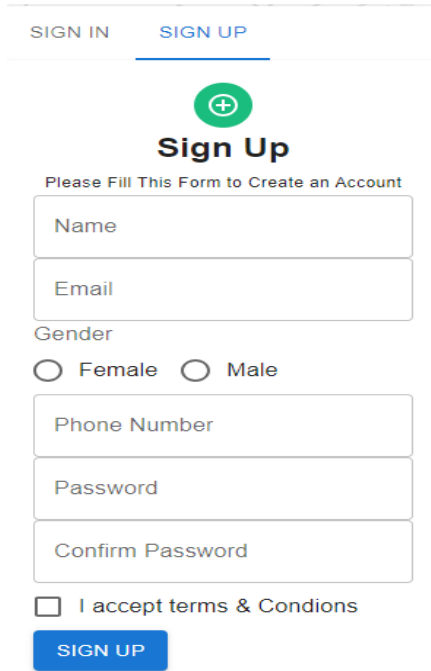


Figure 6 Header section



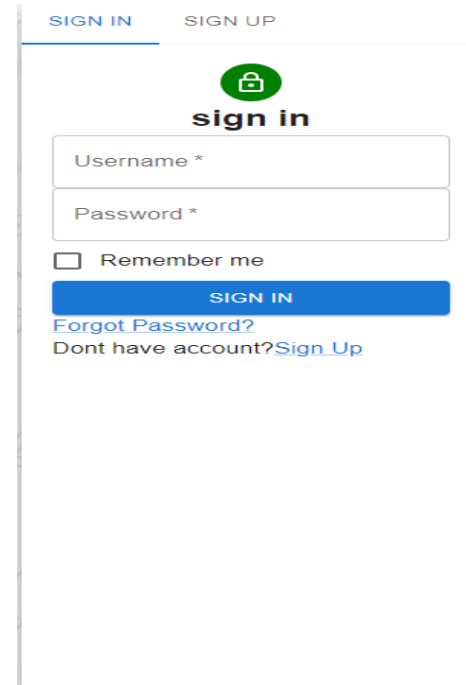
Figure 7 Body Section

Sign up and Sign in section



The Sign Up form is located at the top of the page with a 'SIGN IN' link and a 'SIGN UP' link. The 'SIGN UP' link is underlined. Below the links is a green circle with a white plus sign. The title 'Sign Up' is in bold. Below the title is the text 'Please Fill This Form to Create an Account'. The form contains the following fields: Name, Email, Gender (Female, Male), Phone Number, Password, and Confirm Password. There is a checkbox for 'I accept terms & Conditions' and a blue 'SIGN UP' button.

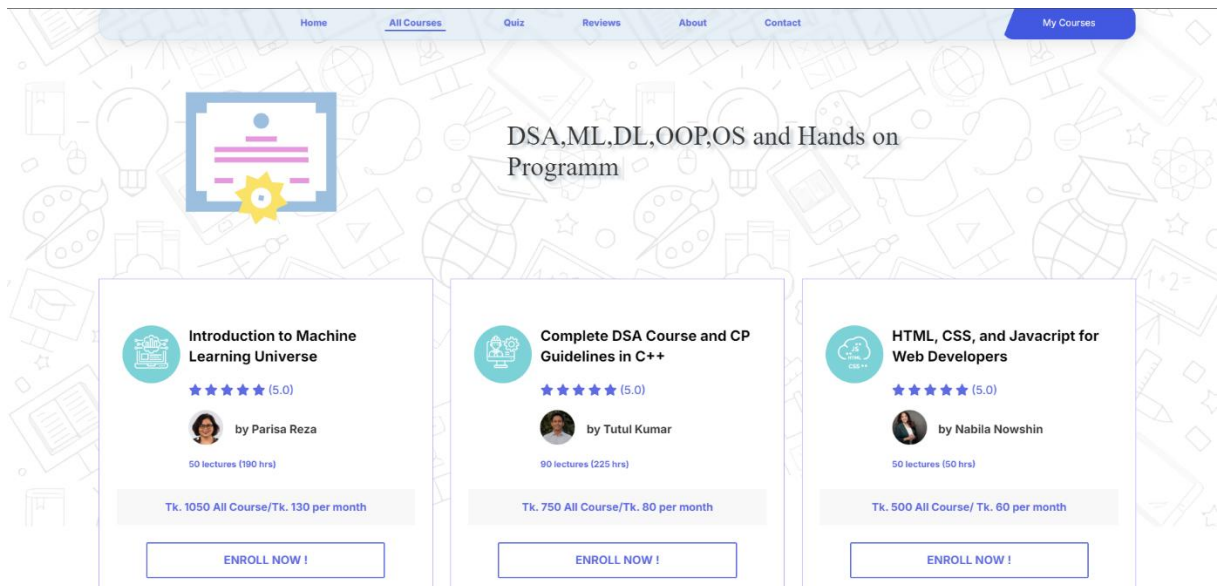
Figure 8 Sign up page



The Sign In form is located at the top of the page with a 'SIGN IN' link and a 'SIGN UP' link. The 'SIGN IN' link is underlined. Below the links is a green circle with a white lock icon. The title 'sign in' is in bold. Below the title are the following fields: Username *, Password *, and a checkbox for 'Remember me'. There is a blue 'SIGN IN' button. Below the button are two links: 'Forgot Password?' and 'Dont have account?Sign Up'.

Figure 9 Sign in page

All Courses Section



The All Courses Section is located at the top of the page. It features a navigation bar with links: Home, All Courses, Quiz, Reviews, About, Contact, and My Courses. The 'All Courses' link is underlined. Below the navigation bar is a large banner with a background of educational icons. The banner contains the text 'DSA,ML,DL,OOP,OS and Hands on Programm' and a graphic of a book with a gear. Below the banner are three course cards. Each card contains a course title, a star rating (5.0), the instructor's name, the number of lectures and hours, the price, and an 'ENROLL NOW !' button.

| Course Title | Instructor | Lectures | Hours | Price |
|--|-------------------|-------------|---------|---------------------------------------|
| Introduction to Machine Learning Universe | by Parisa Reza | 50 lectures | 190 hrs | Tk. 1050 All Course/Tk. 130 per month |
| Complete DSA Course and CP Guidelines in C++ | by Tutul Kumar | 90 lectures | 225 hrs | Tk. 750 All Course/Tk. 80 per month |
| HTML, CSS, and Javacript for Web Developers | by Nabila Nowshin | 50 lectures | 50 hrs | Tk. 500 All Course/ Tk. 60 per month |

Figure 10 All Courses Section

About us section

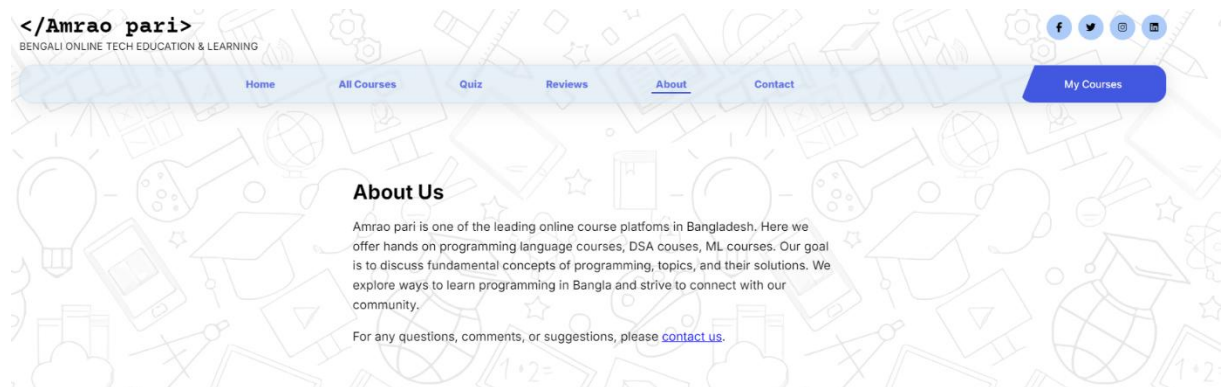


Figure 11 About us Section

Contact Section

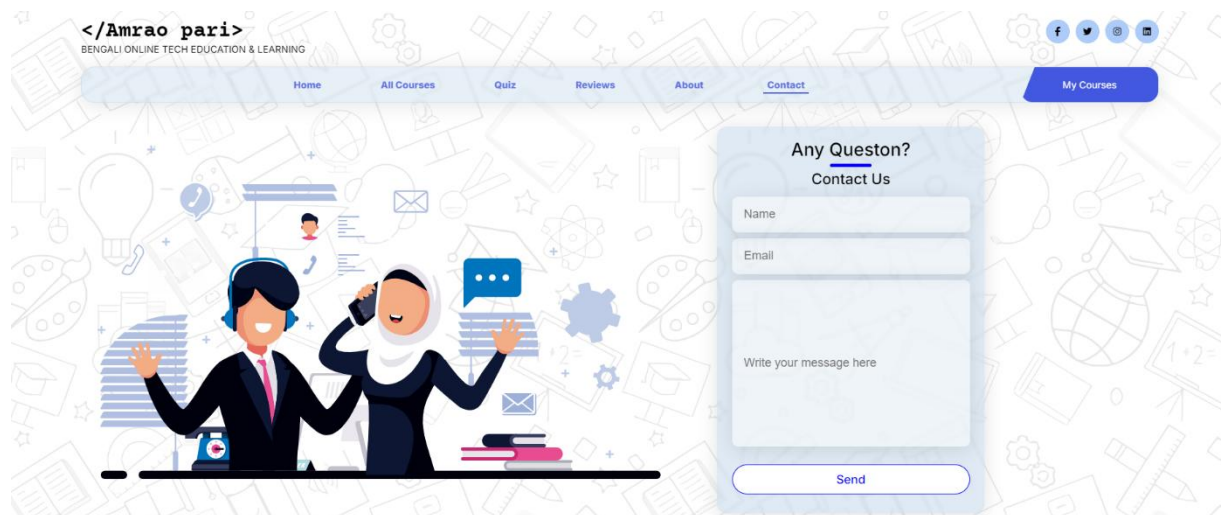


Figure 12 Contact Section

4.5 Folder structure in vs code, Github & Firebase

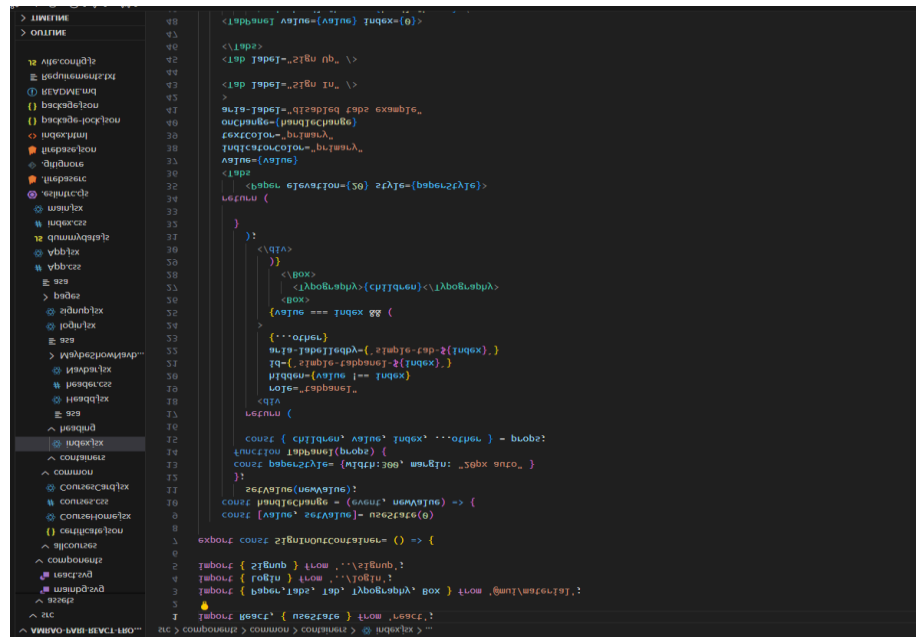


Figure 13 Folder structure (1)

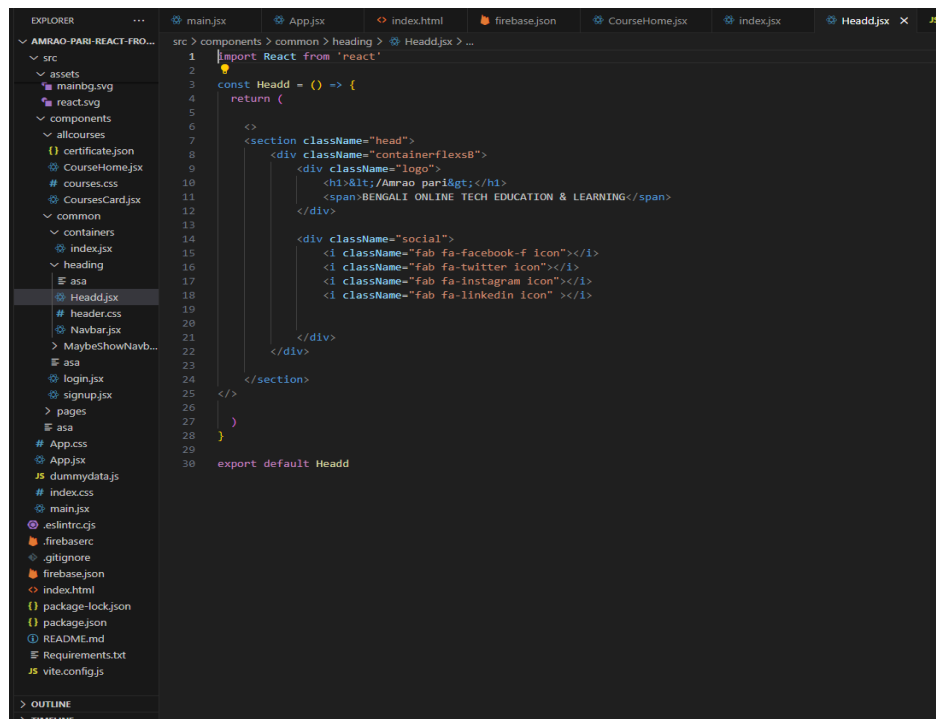


Figure 14 folder structure (2)

| Commits | | | |
|---|---|----------|--|
| main | All users | All time | |
| Commits on May 3, 2024 | | | |
| uploaded | parisa committed on May 3 - ✓ 1 / 1 | 05bF9d9 | |
| Commits on Apr 1, 2024 | | | |
| fix:button | nabila-nowshin committed on Apr 1 - ✓ 1 / 1 | ac6dc95 | |
| Merge pull request #17 from abdurrahmanrussel/dev_nottutul | nottutul authored on Apr 1 - ✓ 1 / 1 | dd56881 | |
| bug fix: border added to course cards | nottutul committed on Apr 1 - ✓ 2 / 2 | 2895810 | |
| Merge pull request #16 from abdurrahmanrussel/dev_nottutul | nottutul authored on Apr 1 - ✓ 1 / 1 | a285c53 | |
| bug fix: courses page cards grid view in row direction and other pages text added | nottutul committed on Apr 1 - ✓ 2 / 2 | 4d86528 | |
| Commits on Mar 31, 2024 | | | |
| Merge pull request #14 from abdurrahmanrussel/dev-parisa | nottutul authored on Mar 31 - ✓ 1 / 1 | e991256 | |
| Feature: All Courses Page Added | parisa committed on Mar 31 - ✓ 2 / 2 | b2a3943 | |
| Commits on Mar 30, 2024 | | | |
| Merge pull request #13 from abdurrahmanrussel/dev_nottutul | nottutul authored on Mar 30 - ✓ 1 / 1 | 7111f13 | |
| feature: background added and navbar glass effect modified | nottutul committed on Mar 30 - ✓ 2 / 2 | e8e1a6b | |
| Merge pull request #12 from abdurrahmanrussel/dev_nottutul | nottutul authored on Mar 30 - ✓ 1 / 1 | 33f4030 | |
| feature: contact us page added | nottutul committed on Mar 30 - ✓ 2 / 2 | 5a79bf1 | |

Figure 15 Github

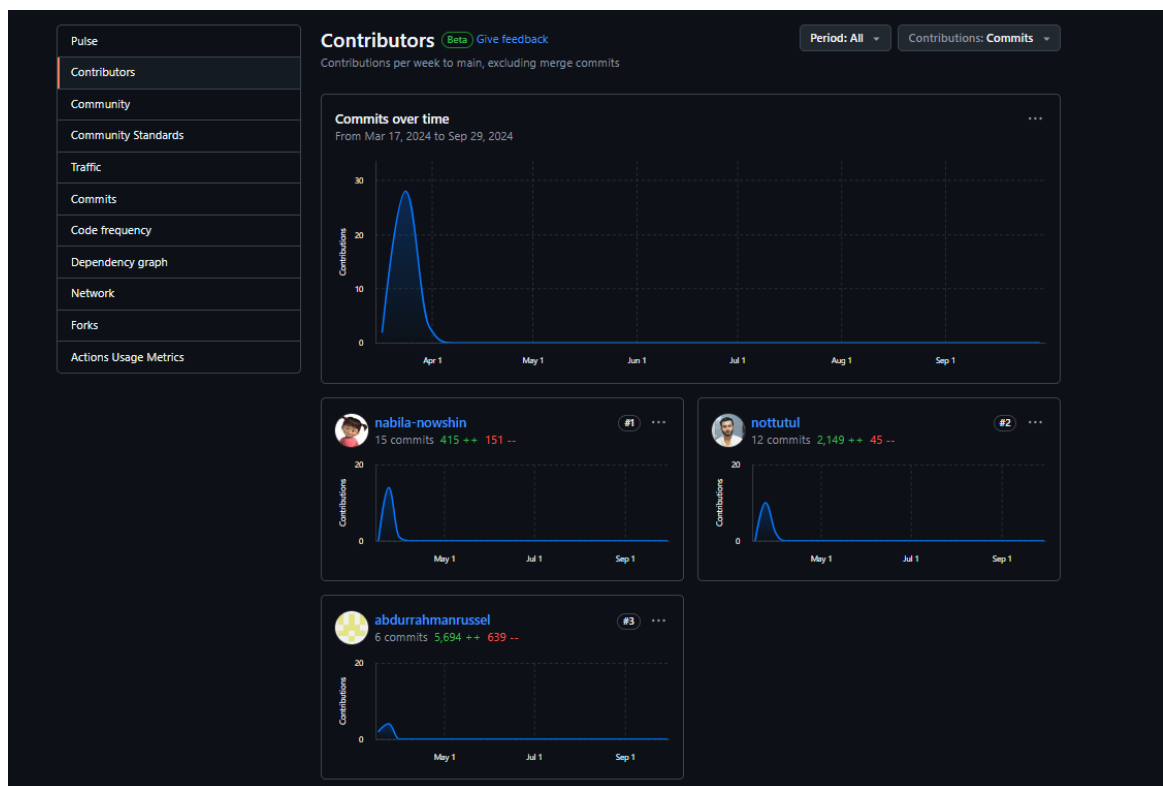


Figure 16 Github Contribution section

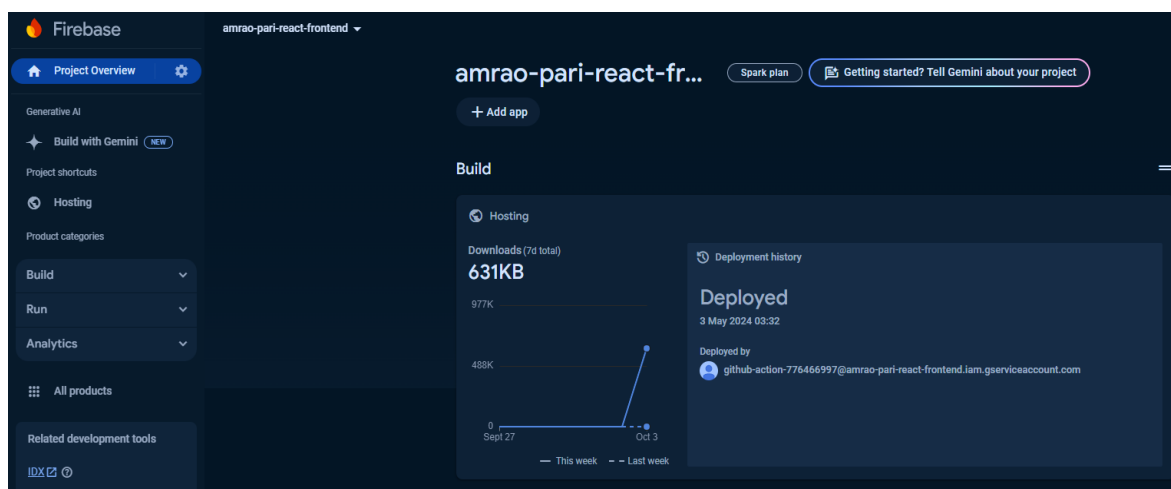


Figure 17 Firebase Hosting

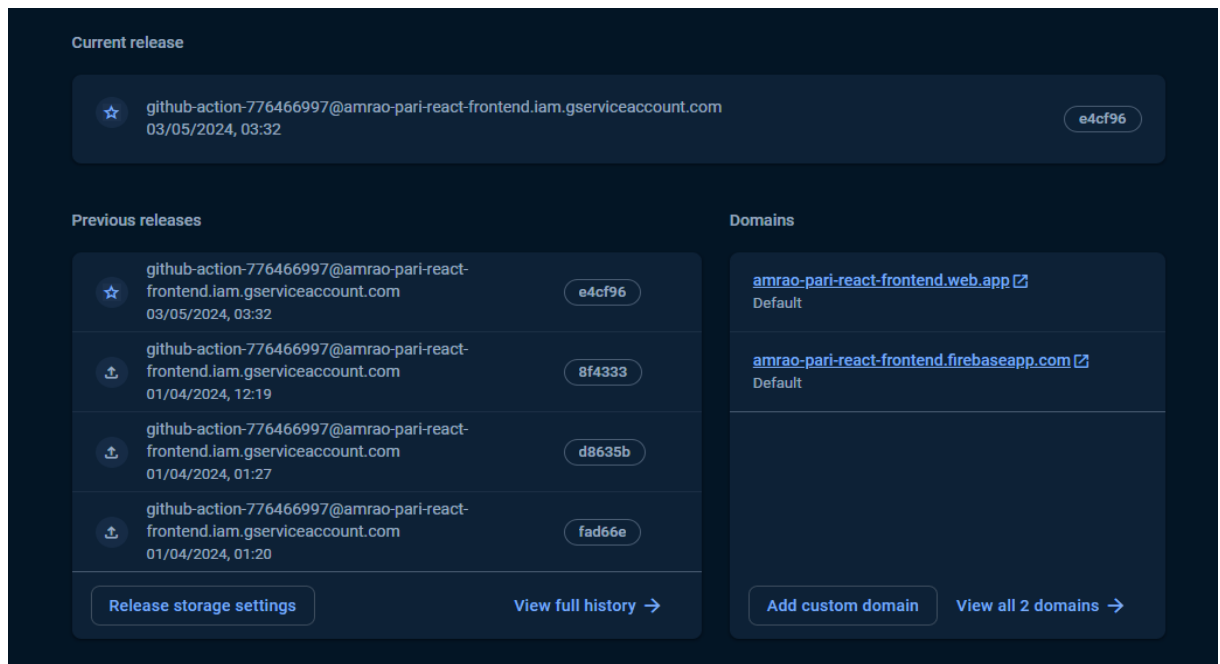


Figure 18 Firebase Hosting domains link

4.6 Figma

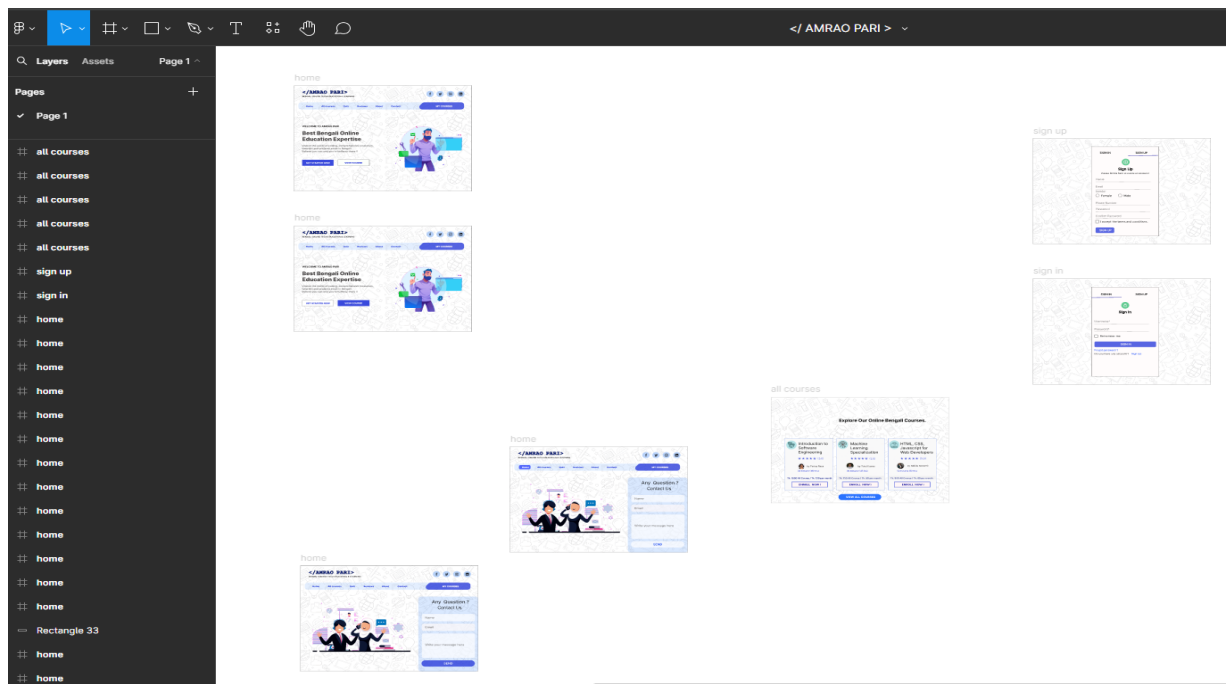


Figure 19 Figma

4.7 Jira

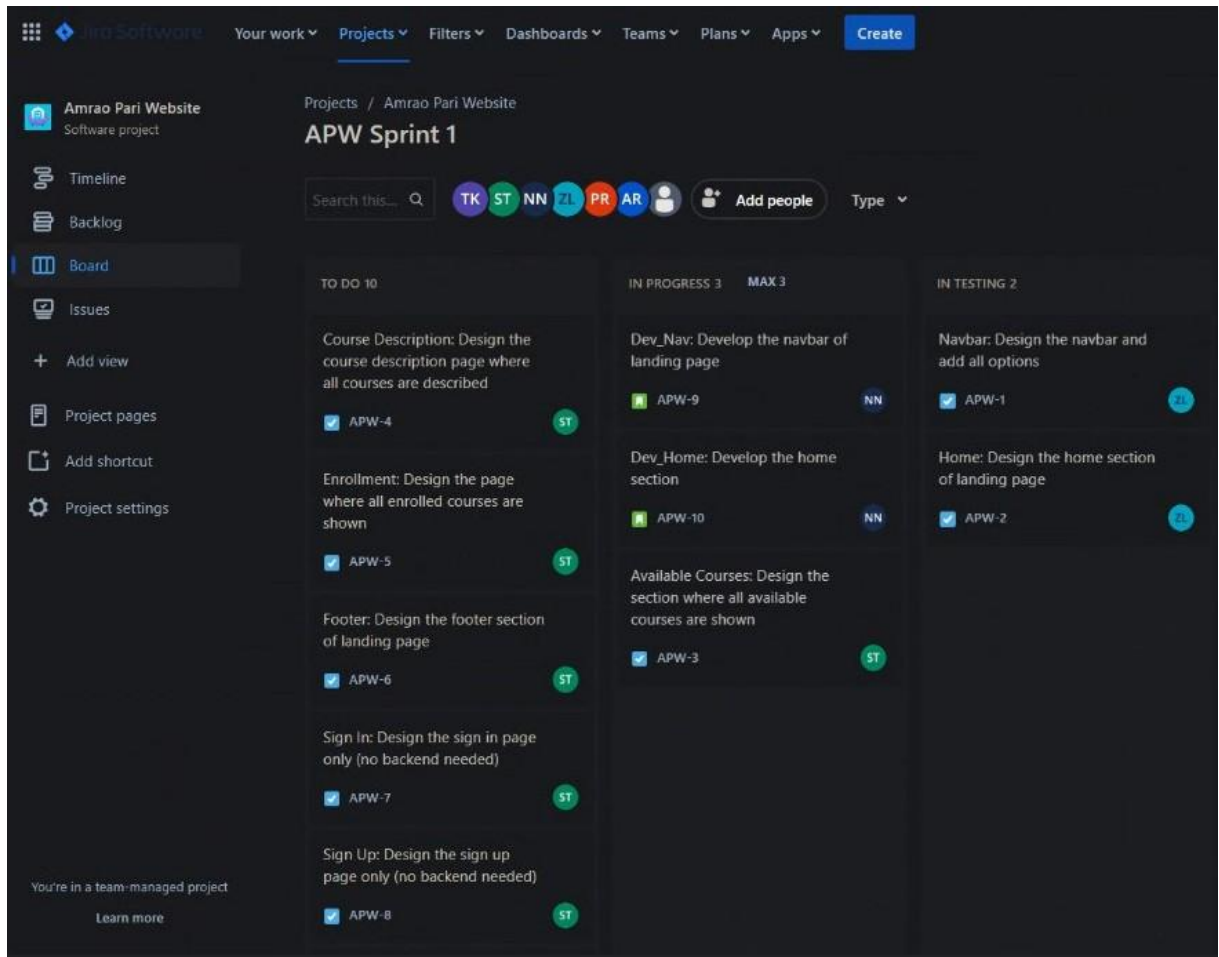


Figure 20 Jira board

4.8 Sprint Retrospective

Worked Well
What do you think worked well?

- The developers were very cooperative.
- Mawa According to me Samia designed the ui/ux very nicely with all our decisions. parisa, nabila and russel worked so hard on the developmen
- our website worked well according to our plans.
- tutul and russel helped me while merging the course enroll page. In this project Samiya was very kind enough to us to make the design.
- tutul was very helpful in this whole process, solved many problems, was active through the whole sprint.
- Mawa tutul looked after all the project and helped everyone whenever they needed help. I am so grateful having all of them as teammate.
- Russel was also available and helped us
- Tutul was helpful, when i faced any problem, he solved it.
- samiya was very supportive as well, listened us and changed the design accordingly. Thanks a bunch
- Team response was good, when anyone faced problem, we tried to solved it in a meeting
- tutul the whole team was awesome. sometimes i asked to change the design they did that.

86 %

You're in Design Mode

Figure 21 Retro (1)

Didn't Work / Could be well
What do you think didn't work?

- tutul as it was our first time collaborating in github, the git flow and branch could be better.
- i think everyone should help each other more regarding all issues outside your role
- couldn't make it responsive nd also has some incomplete sections due to short time.
- setting Github and learning it were difficult.
- I faced problem to understand Github, it slowed down my code.
- In the project everyone worked hard and did best...But messaging in main group would have been better than personal communication
- Utpal bhai didn't join meeting everyday :D - Utpal

Share

+2

Figure 22 Retro (2)

Chapter 5: Conclusion

5.1 Conclusion

My industrial attachment at Monstarlab Bangladesh has been a valuable learning experience, giving me hands-on exposure and technical achievements. As the Team Lead and Frontend Engineer, I led the team and successfully built a React project using the Material-UI React component library, which made the user interface more visually appealing with pre-designed components. I also added vanilla CSS transitions and animations to improve the overall user experience.

I deployed the project using Firebase hosting, which helped me gain experience in managing deployment workflows and ensuring that the project was accessible to users. This practical work strengthened my skills in React development, UI design, and the importance of smooth deployment.

Working at Monstarlab, I received great support from experienced professionals and worked in a collaborative environment. I used industry-standard tools like Jira for agile project management, and Git and GitHub for version control, all of which helped me follow best practices and better prepare for future challenges.

In summary, this attachment has not only improved my technical skills but also taught me the value of teamwork, effective project management, and aiming for excellence in digital product development. I now feel more prepared to face future challenges in the ever-changing world of technology.

5.2 References:

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