

OMITUL ISLAM

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EDUCATION

Comilla University

B.Sc (Engg.) in Computer Science and Engineering

2019-2023

Comilla, Bangladesh

COMPETITIVE PROGRAMMING

Solved around 2000 problem on various online judges

Participated in CoU Intra University Programming Contest, Ranked 13

Participated in CoU Intra University Programming Contest 2019, (Team Contest)

Coding Platforms: • Codeshef • Leetcode • LightOj • Toph

PROJECTS

Location Tracker [🔗](#) | [Esp8266 v3](#), [Neo6m GPS Module v2](#), Wires, C++, Arduino IDE, Java, Android Studio

- An IoT-based project for tracking buses using hardware and software.
- **Hardware:** NodeMcu/Esp8266 (v3), Neo6m GPS Module (v2), Wires.
- **Software:** Arduino IDE and C++ for programming NodeMcu, Android Studio and Java for the mobile application.
- By GPS Module receives data from satellites, NodeMcu sends this data to Firebase, and the mobile app displays the bus location based on the specific bus ID.

Gardening [🔗](#) | [TypeScript](#), [Next.js 14](#), [React.js](#), [Tailwind CSS](#), [NextUI](#), [Next-Themes](#)

[Live Link](#)

- Role-based login system (user/admin) with authentication, password reset, password change, and profile customization.
- Developed posting, upvoting/downvoting, commenting, and following features.
- Implemented searching, filtering by most upvotes, and "Add to Favorites" section.
- Supported premium membership purchasing with Amarpay.
- Built An admin dashboard for content and user management, Admin Credentials:- Email: fa6164781@gmail.com, Password: admin12345

Room Booking [🔗](#) | [TypeScript](#), [Express.js](#), [React.js](#), [Redux](#), [Tailwind](#), [Daisy UI](#), [MongoDb](#)

[Live Link](#)

- Homepage with featured products, customer reviews, Instant room booking and more features.
- Meeting Room page to see the rooms available with filtering, sorting and searching option and also a see details page with each room to experience the room in details.
- Role Based login system for User, Admin and For admin there is dashboard to manage rooms, slots and booking and for user there is dashboard to manage my bookings.
- Checkout page for user to make an purchase order for rooms in available slots and admin can approve the order. Admin Credentials:- Email: admin@gmail.com, password: pass12345

Mechaniqu Keyboard [🔗](#) | [Typescript](#), [Express.js](#), [React](#), [Redux](#), [MongoDb](#), [Daisyui](#), [Tailwind](#) [Live Link](#)

- Homepage with 6 featured products, logos, customer reviews and more features, Product page to see more products with searching and filtering option and attached a see details page to see each product in details.
- Product management page to see products in a table and add, update and delete product option.
- Cart page to add products in the cart and a checkout page to place order for the added products in cart.

TECHNICAL SKILLS

Languages: C, C++, Java, HTML5, CSS3, Javascript, Typescript

Technologies: React.js, Next.js, Node.js, Express.js, NextUi, Daisy Ui, Tailwind, Mongoose, Mysql

Developer Tools: VS Code, Android Studio, Linux, git

Others: Vercel, Markdown, Latex, OOP

REFERENCES

Dr. Mahmudul Hasan, SMIEEE

Dean, Faculty of Engineering

Chairman and Associate Professor, Department of Computer Science and Engineering, Comilla University

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