Mamunur Rahman

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Github | LinkedIn

EDUCATION

Islamic University of Technology   Expected Graduation: May 2025
Bsc. in Software Engineering (CSE)   Current **GPA: 3.91**

SKILLS

Languages and Technologies: Python | C++ | HTML | CSS | JavaScript | Java | SpringBoot | C | C# | React.js | MySQL | MongoDB | Node.js | Express | PHP | Mocha.js | bash | Neo4j

PROJECTS

CampusWorks (*Full stack web Application-an on campus job and internship platform*)
- Collaborated in a team of 3 developers to design and develop a MERN stack web application that connects students with recruiters to facilitate on-campus recruitment.
- It has a visually appealing and intuitive UI where the frontend was built using React, providing a fast and responsive user interface that allows users to easily navigate and interact with the platform.
- Leveraged MongoDB, Node.js, and Express.js to develop the backend of the application, ensuring a scalable and secure architecture that enables seamless integration with the frontend and third-party APIs.
- Implemented an integrated chat system using socket.io.

RacingInIUT(*Design Patten Projects*)
- Solo project to implement a single player racing game using various Design Patterns in Java.
- 5 patterns implemented in this project-
  o Strategy (IEngine & ITurboCharge interface)
  o Singleton (Player Class)
  o Template (Race Class)
  o Simple Factory & Abstract Factory (Car Factory & Track Factory)
  o Decorator (NOSDecorator)

EcoConnect (*Full Stack web Application – A Sustainable Living Social Network for Eco-Conscious People and Communities*)
- Collaborated in a team of 3 developers to design and develop a MERN stack web application which is an Eco friendly social media for environment enthusiasts.
- In addition to its impressive frontend built on React, the platform features a dynamic and intuitive user interface, enhancing user engagement and satisfaction
- The backend architecture, driven by MongoDB, Node.js, and Express.js, not only ensures scalability and security but also enables efficient data management and seamless communication between various components
- An application where users can join communities and post about the environment and also create events.
- Leveraged Mocha.js for integration testing.

WheelsOnTheGo (*Server Programming Project*)
- Solo project to develop the backend of an application that allows users to book rides using MongoDB,Node.js and Express.js
- Implemented Google OAuth so users can Log in using SSO
- Implemented role based authentication using Passport.js and JWT
- Basic CRUD operations to ensure smooth ride booking of users

EXPERIENCE

Private tutor – IGCSE & IAL   Jan 2021 - June 2023
- Taught several candidates physics,chemistry and mathematics during the span of 3 years
- Improved their problem-solving skills and concepts for better understanding

ACHIEVEMENTS

- Recipient of IUT Partial Scholarship
- Recipient of the Daily Star Award and Edexcel High Achiever's Award
- IGCSE World Highest Award in Mathematics B
- IGCSE Country Highest Award in Mathematics