

Md. Shihab Rayhan

Turning Ideas into Scalable Systems, Enthusiastic About Continuous Delivery & Clean Code



portfolio



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EDUCATION

SHAHJALAL UNIVERSITY OF SCIENCE & TECHNOLOGY, SYLHET

B.Sc in Computer Science & Engineering

February 2020 – November 2025 | Sylhet, Bangladesh

School of Applied Science

GOVT. AZIZUL HAQUE COLLEGE, BOGURA

Higher Secondary

July 2016 – August 2018 | Bogura, Bangladesh

PROJECTS

FLYNEST | REACTJS, JAVASCRIPT, NODEJS, MONGODB |

- Architected a full-stack MERN platform, managing dynamic data for over 50+ unique travel listings via a custom REST API
- Optimized data retrieval by designing Mongoose schemas that reduced API response payloads by 20% through custom data transformations.
- Engineered a responsive React frontend using Context API, reducing state-management complexity for a multi-step booking flow.

SPORT STATION | REACTJS, NODEJS/EXPRESS, MYSQL |

- Spearheaded the development of a Node.js/MySQL backend capable of handling secure user authentication and real-time order processing.
- Engineered a secure checkout flow that processes real-time orders, handling concurrent user sessions with Node.js/Express.

MOVIELAND | REACTJS, JAVASCRIPT, OMDb API |

- Implemented asynchronous data fetching using the OMDb API, achieving sub-second load times for movie search queries.
- Crafted a modular UI with React Hooks (useState, useEffect), improving code reusability.

ELITE EATS | JAVASCRIPT, HTML, CSS |

- A high-performance web app using Vite, resulting in a 30% faster build time compared to standard React boilerplates.
- Utilized Tailwind CSS and React-Slick to create an interactive interface, maintaining a 100% mobile-friendly UX score.

DEVEVENTS | NEXTJS, TYPESCRIPT, MONGODB |

- Developed a high-performance event platform using Next.js 15 and TypeScript, achieving superior SEO and lightning-fast loads via advanced caching.
- Built scalable data models with MongoDB and implemented full CRUD functionality via Next.js API routes.
- Integrated Cloudinary for optimized media and PostHog for real-time user engagement analytics.

SKILLS

PROGRAMMING

Proficient:

C++ • JavaScript • MySQL
CSS • HTML

Experienced:

C++ • HTML • CSS • React •
TailwindCSS

LIBRARIES/Frameworks

ReactJs • NextJs

TOOLS/PLATFORMS

Vercel • Postman • Github

DATABASE

MongoDB • MySQL

ACHIVEMENTS

- Participated in SUST IUPC 2024
- Organized the Hackathon for SUST CSE Carnival 2024
- Science Olympiad **Silver Award** winner in 2019

CERTIFICATIONS

- Intro to Machine Learning from **Kaggle**
- Docker Training Course from **KodeKloud**