# Md. Shihab Rayhan

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

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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**