

NABILA NOWSHIN

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OBJECTIVE

ECE graduate with hands-on experience building full-stack web applications using **React, TypeScript, Node.js, MongoDB, and Redux Toolkit**. Skilled in implementing secure authentication (**Firestore, JWT**), **REST APIs, protected routes**, and responsive UI design. Passionate about contributing to mission-driven teams by delivering impactful, user-centric digital solutions while continuously growing as a software engineer.

EDUCATION

B.Sc. in Electrical and Computer Engineering (ECE) | *January 2020- June 2025*

Rajshahi University of Engineering and Technology (RUET)

CGPA: 3.86/ 4.00

Technical Skills

Languages: JavaScript (ES6+), TypeScript, C, Python,

Problem Solving: Solved 100+ coding problems on various online judges including HackerRank and Beecrowd

Frontend: React.js, React Router, Redux Toolkit, Tailwind CSS, DaisyUI, HTML5, CSS3

Backend & Auth: Node.js, Express.js, MongoDB, MySQL, Firebase Auth, JWT

Version Control: Git, GitHub

Deployment & Hosting: Netlify, Vercel, Firebase Hosting

Other Tools & Practices: Jira, Agile methodologies, Axios, Lottie, Toast Notifications, Responsive Design

INDUSTRIAL ATTACHMENT

Monstarlab Bangladesh | March 19 – April 2, 2024 (2 weeks)

Served as a developer in a collaborative React project, building responsive UIs with CSS, managing tasks via Jira, and using Git for version control.

PROJECTS

1. **JourneyBay** [Live Demo](#) | [Frontend GitHub Repo](#) | [Backend GitHub Repo](#)

Technologies: React, Node.js, Express, MongoDB, Firebase Auth, JWT, Tailwind CSS, DaisyUI, Vercel, Firebase Hosting

- Built a full-stack MERN app with secure Firebase Authentication and JWT-protected routes for user management.
- Implemented full CRUD operations to explore, book, add, and manage tour packages with booking request status tracking.
- Developed regex-based search and responsive UI with React, Tailwind CSS, and React Router.
- Enhanced UX with toast notifications, Sweet Alerts, Lottie animations, and light/dark theme toggle.

2. TipTop Garden [Live Demo](#) | [Frontend GitHub Repo](#) | [Backend GitHub Repo](#)

Technologies: React, Firebase Auth, MongoDB, Express, Tailwind CSS, Vercel, Firebase Hosting

- Built a responsive gardening community app with full CRUD functionality backed by MongoDB and Express API.
- Implemented secure Firebase authentication (Email/Google) with protected routes.
- Featured trending tips, user profiles and filtering by difficulty.
- Added dark/light mode toggle and engaging Lottie animations.
- Deployed backend on Vercel and frontend on Firebase Hosting.

3. Event Nest [Live Demo](#) | [GitHub Repo](#)

Technologies: React, Firebase Authentication, Tailwind CSS, DaisyUI, AOS, Swiper

- Developed a responsive event discovery platform with dynamic JSON-based listings.
- Implemented secure authentication (Google + Email/Password) and protected routes.
- Integrated password reset, profile update, and AOS animations for smooth UX.
- Enhanced UI/UX using Swiper sliders and modern responsive design techniques.
- Strengthened frontend skills by building complete user flows from login to seat reservation.

4. Slice Master Pizza Shop [Live Demo](#) | [GitHub Repo](#)

Technologies: React, TypeScript, Redux Toolkit, Tailwind CSS

- Developed a modern pizza ordering app featuring dynamic cart management with Redux Toolkit and TypeScript for type safety.
- Implemented add, remove, and decrement item functionality with real-time total price and quantity updates.
- Designed responsive UI with Tailwind CSS ensuring smooth user experience across devices.

5. Legal Appointment Booking Platform [Live Demo](#) | [GitHub Repo](#)

Technologies: React, Tailwind CSS, Recharts, localStorage

- Built a responsive React app fetching lawyer data dynamically for booking consultations with persistent localStorage.
- Used React Router for navigation, enhanced UX with toast notifications, Recharts charts, and animated counters.

UNDERGRADUATE THESIS

Predicting Infant Mortality in Bangladesh Using Machine Learning

Built an ML pipeline using BDHS data with Boruta feature selection, SMOTE balancing, and models including Random Forest, XGBoost, and KNN. Evaluated using ROC AUC, confusion matrix, and classification reports.

SOFT SKILLS

Strong communicator (English & Bengali) | Efficient problem-solver | Adaptable team player