

KHAIRUL BASHAR

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📍 Badda, Dhaka, Bangladesh

EDUCATION

BSc in Computer Science & Engineering
Dhaka International University, Bangladesh

CGPA 3.66 out of 4.00
2022 - 2025

PROJECTS

- **Multi-User Blogging Platform:** [Live](#) [Client Code](#) [Server Code](#)
 - Architected a full-featured CMS enabling users to register, authenticate, and manage blog posts. Secured backend routes using JWT (JSON Web Token) authentication and bcrypt hashing. Built a responsive UI with complex filtering capabilities including categories, tags, and search. Designed a RESTful API structure to handle scalable CRUD operations for a multi-user environment.
 - **Technology Used:** HTML, Tailwind CSS, React.js, Node.js, Express.js, MongoDB.
- **Sound Analyzer & Recorder:** [Live](#) [Source Code](#)
 - Developed a professional-grade audio analysis tool for Android and Web featuring a dual-module system. Implemented complex algorithms to display live decibel metering (LAF & LAeq) and Frequency Spectrum (25Hz–16kHz). Optimized performance for smooth 60fps rendering of dynamic Time History graphs on mobile devices. Designed a modern dark-themed interface ensuring optimal user experience across platforms.
 - **Technology Used:** React Native, Expo, Android.
- **Notes App:** [Live](#) [Client Code](#) [Server Code](#)
 - Engineered a secure, state-managed note-taking system with real-time UI updates and personalized data management. Implemented optimized MongoDB indexing for fast search queries and secure authentication utilizing bcrypt.
 - **Technology Used:** HTML, Tailwind CSS, React.js, Node.js, Express.js, MongoDB.
- **Role-Based Access Control (RBAC) System:** [Live](#) [Client Code](#) [Server Code](#)
 - Engineered a secure identity architecture featuring JWT-based authentication with automated access/refresh token rotation and invite-only registration flows. Implemented granular authorization middleware to manage hierarchical permissions across Admin, Manager, and Staff roles for project and user management. Developed a scalable RESTful API with TypeScript and Node.js, incorporating audit logging, rate limiting, and server-side pagination for high-performance data handling.
 - **Technology Used:** TypeScript, React.js, Redux Toolkit, Node.js, Express.js, MongoDB, Tailwind CSS.

SKILLS

Languages: JavaScript, TypeScript, C++, PHP, Python

Frameworks: React, React Native, Node.js, Express.js

UI/UX: Bootstrap, Tailwind CSS, Responsive Design

Databases: MongoDB, MySQL, SQLite

Tools: Git, GitHub, Postman, Linux, Expo

Practices: RESTful API, Auth, Clean Code, Debugging

CERTIFICATIONS

- **Complete Intro to React, v9** Frontend Masters (Dec 2025)
- **Web Security, v2** Frontend Masters (Dec 2025)
- **JavaScript: The Hard Parts, v2** Frontend Masters (Oct 2025)
- **Complete Intro to Web Development, v3** Frontend Masters (Sep 2025)
- **JavaScript: From First Steps to Professional** Frontend Masters (Sep 2025)

LANGUAGES

Bangla (Native), **English** (Fluent), **Hindi** (Conversational), **Urdu** (Conversational)