

# ENAMUL HASAN

Software Engineer | Full Stack Developer | Mobile Application Developer

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 Portfolio Website

## PROFESSIONAL SUMMARY

I am a Computer Science graduate with a genuine passion for building efficient web and mobile applications. My technical focus is on optimizing performance across platforms, utilizing various frameworks to create seamless user experiences. Beyond the code, I am a dedicated team player who prioritizes clear communication and strictly adhering to deadlines. I am always eager to learn and adapt, looking for a role where I can expand my skill set while helping my team succeed.

## EDUCATION

### Bachelor of Science in Computer Science and Engineering

Feb 2022 – Dec 2025

*East West University*

Dhaka, Bangladesh

- CGPA: 3.77 / 4.00

- Major: Software Engineering

### Higher Secondary Certificate (HSC)

Completed: 2020

*Dhaka Imperial College*

Group: Science | GPA: 5.00

### Secondary School Certificate (SSC)

Completed: 2018

*Willes Little Flower School & College*

Group: Science | GPA: 5.00

## TECHNICAL SKILLS

**Languages:** Java, Python, C, C++, SQL, SQLite, PHP

**Web Development:** HTML5, CSS, JavaScript, TypeScript, Express.js, React.js, Node.js, Angular, Django

**Mobile Development:** Flutter, React Native, Android Studio

**Databases:** Firebase, MySQL, MongoDB

**Tools & Version Control:** Git, GitHub, VS Code, Antigravity

**Professional Skills:** Technical Documentation, Analytical Thinking, Team Collaboration, Adaptability, Up-skilling

## KEY PROJECTS

### Jatra: Smart City Bus Tracking & Navigation System

[\[View Code/Demo\]](#)

- Developed a native **Android (Java)** application to solve the chronic unpredictability of Dhaka's public transit.
- Engineered a location interpolation algorithm to mitigate "teleporting" glitches caused by low-end driver smartphones.
- Reduced operational costs by implementing **Firebase Realtime Database** instead of expensive standard GPS APIs.
- Utilized **Cloud Functions** for scalable backend logic and real-time data synchronization.

### LedgerSync: Smart Crypto & Finance Dashboard

[\[View Code/Demo\]](#)

- Architected a scalable financial platform using **Django REST Framework** and **PostgreSQL**, unifying data from 3 distinct market ecosystems into a single API.
- Implemented an asynchronous data pipeline using **Celery** and **Redis** to fetch and cache price data every 60 seconds without blocking the main application thread.
- Solved data fragmentation issues by writing custom scrapers for the **Dhaka Stock Exchange** and integrating them with global market data via a unified interface.

- Secured the application with **JWT Authentication** and Role-Based permissions, ensuring safe portfolio management for registered users.

### UniEvent: Campus Event Management System

[\[View Code/Demo\]](#)

- Developed a full-stack web application using **FastAPI (Python)** and **PostgreSQL** for managing university events.
- Designed a responsive frontend using **Angular** and **Bootstrap 5** to track registrations and venue capacity.
- Implemented **Role-Based Access Control (RBAC)** to handle permissions for Admins, Organizers, and Students.
- Engineered a real-time **QR Code Attendance System** for instant ticket verification via webcam integration.

## HONORS & AWARDS

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- **Cum Laude Distinction:** Eligible for the award of Cum Laude for achieving high academic standing in Bachelor's degree.
- **100% Merit Scholarship (Feb 2025 – Dec 2025):** Awarded full tuition waiver by East West University for excellent academic performance to its top 10% students.
- **Dean's Scholarship (Feb 2023 – Jan 2024):** Received scholarship recognition for maintaining a high CGPA in consecutive semesters.

## LANGUAGES

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- **Bangla:** Native Speaker
- **English:** Fluent