

Md. Mahamudul Hasan

Computer Science & Engineering Undergraduate

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PROFESSIONAL SUMMARY

CSE undergraduate with hands-on experience developing full-stack web applications and implementing graph algorithms in Java. Working knowledge of C, C++, Java, Python, JavaScript, PHP, and SQL, with a focus on maintainable software, database-backed systems, and structured problem solving. Seeking opportunities to grow in software engineering while continuing to explore game development.

EDUCATION

B.Sc. in Computer Science & Engineering

United International University, Dhaka

Fall 2023 - Expected 2028

Higher Secondary Certificate (Science) - GPA 5.00/5.00

Karatoa Multimedia School and College, Bogura | Rajshahi Board

2022

Secondary School Certificate (Science) - GPA 4.61/5.00

Gobindaganj Government High School, Gaibandha | Dinajpur Board

2020

TECHNICAL SKILLS

Programming: C, C++, Java, Python, JavaScript, PHP

Web & Database: HTML, CSS, JavaScript, PHP, MySQL, SQL

Core: OOP, Data Structures & Algorithms, DBMS, Graph Algorithms, Web Development, Problem Solving

Tools: Git, GitHub, Visual Studio Code, Figma

SELECTED PROJECTS

Smart City Complaint Management System | PHP, MySQL, JavaScript | [Repository](#) | [Live Demo](#)

- Developed a full-stack system for citizen complaint submission and status tracking, plus administrative workflows for complaints, staff, departments, and zones.
- Structured separate frontend and backend modules and supplied an ERD, schema, and SQL resources for database setup.

BrainRoot Digital Library | JavaScript, PHP, SQL | [Repository](#) | [Live Demo](#)

- Developed a web-based digital library with user accounts, collections, profiles, wishlist, ratings, and reading progress.
- Built reusable authentication, API-client, storage, and database-backed modules across reader and discovery flows.

Graph Algorithms in Java | Java, BFS, Floyd-Warshall | [Repository](#)

- Implemented breadth-first search for graph traversal and Floyd-Warshall for all-pairs shortest paths.
- Documented setup, sample usage, and time-complexity considerations.

CAMPUS INVOLVEMENT

Member of the Computer Club and Cultural Club; participates in technology-focused and cultural activities while strengthening teamwork and communication.

LANGUAGES

Bengali: Native | **English:** Working proficiency | **Hindi:** Conversational