

Md Mostafizur Rahaman

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EDUCATION

University of Dhaka

BSc in Software Engineering

(CGPA(upto 6th semester) 3.51/4.00) Last semester 3.83

Chuadanga Govt' College, Chuadanga

HSC

GPA: 5.00

PROJECTS

Policy Tracker: Next.js, FastAPI, MongoDB, React-Globe (Policy Tracker)

Built a visual platform to compare up to 10 AI policies per country. Features color-coded world maps, an intuitive dashboard, and future-ready upgrades like real-time updates and automated policy change detection.

AQI: React, Firebase, Google GenAI API, SARIMAX, Chart.js (AQI)

Developed a real-time air quality monitoring app with weather insights, health recommendations, and predictive analytics using SARIMAX. Integrated GenAI for personalized feedback and guidance.

Gomoku Game AI: React.js (Gomoku-AI)

Created a 10x10 Gomoku game with smart AI that calculates optimal moves while avoiding overlines. Features turn-based gameplay and a responsive interface for player vs AI matches.

Stack Overflow: React.js Node.js, MongoDB, Express.js (stack overflow)

Built a MERN-based app with user registration, login, post management, and JWT authentication. Added notification cleanup and MinIO for code snippet storage, transitioning to a distributed setup.

IPOS: React.js Node.js, MongoDB, Express.js (IPOS SPL-II)

Designed a portal for managing internship applications with company listings, skill-based filtering, CV uploads, automated emails, and HR letter generation for IIT students, University of Dhaka.

Chat Server: C++(Chat server SPL I)

Implemented a secure chat system with AES encryption, login controls, and real-time group/individual messaging. Included retry-limited authentication and encrypted data transfer.

AWARDS & ACHIEVEMENT

- District Champion at Creative Talent Hunt Competition (Math & Computer).
- National Champion at Bangladesh Red Crescent Society (Essay Writing).

Activities & LEADERSHIP

Competitive Programming Contest

Participated in 50+ programming contests on platforms like CodeForces, LeetCode, CodingNinjas, HackerRank, Geeksforgeeks and CodeChef. Solved over 600 problems across various platforms.

ICT and Database Management Associate

Student Promotion & Support Unit, University of Dhaka (May 2024–Mar 2025)

Supported ICT operations and database systems to enhance student services, placement, and skill development.

SKILLS

Language: C, C++, JavaScript, Java (in order of proficiency)

Technology / Tools: fastAPI, Next.js, Git, React, Node.js, Express.js, MongoDB, Github, HTML, CSS, Sqlite3, Kali Linux, WireShark

REFERENCES

Dr. Ahmedul Kabir

Associate Professor

IIT, University of Dhaka

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Abu Saem Shefatullah

Software Engineer at Google

Warsaw, Poland

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