

Muhammad Sabbir Hossain

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Summary

UIU CSE Graduate with strong full-stack web development expertise (Django, React, Node.js), machine learning, and cloud infrastructure (Docker, AWS) expertise. Competitive programmer with 2,500+ problems solved (Codeforces Specialist, 2× ICPC participant).

Education

B.Sc. in Computer Science & Engineering

United International University (UIU), Dhaka, Bangladesh

Jun 2021 – Dec 2025

Overall CGPA: 3.91 / 4.00

Projects

Nostalgia – Social Media Platform for Elderly Users

 GitHub

Django, Node.js, MongoDB, MySQL, HTML/CSS/JS, Microservices

- Integrated NID-based identity verification with JWT-secured authentication and two-step validation.
- Built ML-driven recommendation pipelines and face-recognition-based person matching.
- Delivered accessibility-focused features: walking buddy matching, medication reminders, and chat.

Real-Time Multi-Agent Chat System

 GitHub

Django Channels, WebSockets, Next.js, PostgreSQL, Redis, Docker

- Developed a full-stack real-time multi-agent chat platform with automated agent assignment and queue-based session handling.
- Added JWT auth, persistent sessions, Dockerized deployment, and state management (Zustand).

Library & Finance Microservices System

 GitHub

ASP.NET Core, gRPC, REST, JWT, EF Core, SQLite

- Built dual-microservice backend (REST + gRPC) with JWT authentication, book/loan workflows, and student fee payment management.

Skills

EXPERT

C++, Python, Java, SQL, Django, Git

PROFICIENT

Languages: JavaScript, TypeScript, C#, PHP
Frameworks: React, Node.js, .NET Core, Flask, JavaFX
Databases: PostgreSQL, MongoDB, Redis, Kafka
AI/ML: PyTorch, YOLO, OpenCV, Hugging Face, RAG
DevOps/Tools: Docker, AWS (EC2, RDS, S3), Linux, Agile

Competitive Programming

Codeforces Solved: 1900+ | Max Rating: 1578 (Specialist)

handle: pagol

CodeChef Solved: 100+ | Max Rating: 1854 (4-Star)

handle: sabbir772

Achievements

UIU CSE Project Show

2022–2024

1st in Advanced OOP; 2nd in System Analysis & Design; 3rd in DBMS & SEL

ICPC Asia Dhaka Regional

2024–2025

Participated 2× (2024, 2025);

ML Olympiad 2024 (10th) | IUPC Ranks

2024–2025

BUBT 23rd, MU 42nd, KUET 50th;

Top-20 National Individual Ranks

2024–2025

Multiple top-20 national individual ranks; 10+ onsite and 250+ online national & international competitions

Campus Activities

- Served as Trainer (50+), judge, problem-setter at UIUCPC; and Undergraduate Teaching Assistant.
- Founded UIU Scholars Squad, conducting live sessions on core CS topics for over 3,000 students.