

Muhammad Sabbir Hossain

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Summary

UIU CSE Graduate with broad SWE experience across Python/Django, Java, C#/.NET, JavaScript/React, distributed systems, and cloud infrastructure (Docker, AWS, Kubernetes). Competitive programmer with 2500+ problems solved (Codeforces Specialist, ICPC 2×).

Education

B.Sc. in Computer Science & Engineering

United International University (UIU), Dhaka, Bangladesh

Jun 2021 – Dec 2025

Overall CGPA: 3.91 / 4.00

- CS Core CGPA: 3.96 / 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 real-time chat.

Caregivers – Platform for Compassionate Support

[GitHub](#)

Django, Bootstrap, JavaScript, MySQL, NLP

- Engineered a full-stack caregiving platform with task scheduling, approvals, blogs, chat, calendar, and chatbot.
- Enhanced discoverability through advanced search, autocomplete, and role-based administrative controls.

ShecchaShoinik – Volunteer Coordination Desktop Application

[GitHub](#)

Java, JavaFX, MySQL

- Designed a volunteer coordination system with blood bank integration and real-time task assignment.
- Implemented live messaging and dynamic news/map feeds for disaster monitoring and response.

Skills

EXPERT

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

PROFICIENT

Languages: JavaScript, TypeScript, C#, PHP
Frameworks: React, Node.js, Next.js, .NET Core, Flask, JavaFX
Backend/APIs: REST APIs, WebSockets, gRPC, Microservices
Databases: PostgreSQL, MongoDB, Redis, Kafka
AI/ML: PyTorch, YOLO, OpenCV, Hugging Face, RAG
DevOps/Tools: Docker, Kubernetes, AWS, Nginx, GitHub Actions, Linux

Competitive Programming

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

handle: pagol

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

handle: sabbir772

- Participated in ICPC Asia Dhaka Regional 2024 & 2025.

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

2023–2025

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 — live CS sessions reaching **3,000+** students.

Languages

Bengali (Native), English (Fluent)