

Ittehad Saleh Chowdhury

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Technical Skills

- **Languages:** C/C++, Java, Python, JavaScript, Dart, ARM Assembly, SQL
- **Frameworks/Libraries:** React, Flutter, Spring Boot, PyTorch
- **Databases:** PostgreSQL, MySQL, Firebase, Oracle
- **Testing:** Flutter Integration Test, Pytest **Tools:** Git **Embedded:** ARM Cortex M4, Laboratory Analyzers.
- **Interests:** Problem Solving, App/Web Development, AI/ML, LLMs, Reinforcement Learning, Edge Computing.

Experience

Full-Time Lecturer (CSE)

[BRAC University](#)

June 2025 – Present
Dhaka, Bangladesh

- Teaching programming, Algorithms & Data Structures, AI/ML, and Mathematics courses. Designed labs and assessments aligned with the Outcome-Based Education goals.
- Competitive Programming instructor for BRAC University Computer Club (BUCC)
- Contributing to research in AI/ML, LLMs, Edge Computing.
- Student Advisor: Helping students plan their career, understand the evolving Computer Science landscape, and choose the best career route.

Team Lead

[Turing](#)

Jan 2024 – Present
Contract, Remote

- Led a team of 35-40 developers to deliver high-quality training data and infrastructure for frontier AI models. Led benchmarking campaigns, Agentic workflows, and RLHF projects.
- Built and maintained data pipelines for large-scale training: Scaled from 0 to a team of 150 developers within weeks and coordinated the timely delivery of data to Frontier AI Labs.
- Worked as QA Automation Engineer to maintain data quality.

Lead Engineer

[C&E](#)

June 2025 – September 2025
Sylhet, Bangladesh

- Lead the development of the Laboratory Information System (LIS).

- Successfully integrated LIS for a few of the most advanced Diagnostic Labs in the country.

- Scaled LIS systems enabling them to run thousands of tests per day in an automated environment.

Junior Full Stack Engineer

[Amicsoft](#)

Jun 2023 – Dec 2023
Dhaka, Bangladesh

- Contributed to client projects using React, Spring Boot, and Flutter; implemented integration tests.
- Worked as a Test Automation Engineer.

Intern

[C&E](#)

Jan 2021 – Mar 2021
Sylhet, Bangladesh

- Built management software modules with .NET.

- Contributed in the development of Hospital Management System.

Research & Publications

Federated Deep Reinforcement Learning for Optimal Resource Allocation in Vehicular Edge Computing.

Accepted at [Computing Conference 2025 \(London, UK\)](#).

Authors: Reyadath Ullah, Ittehad Chowdhury, Md. Abdur Razzaque, Palash Roy, Mohammad Mehedi Hassan.

Developed DA-FeDRL algorithm using Federated Learning and TD3 to optimize latency, energy, and data diversity in vehicular edge networks.

Education

B.Sc. in Computer Science and Engineering

[University of Dhaka](#)

CGPA: 3.83/4.00 (3rd out of 65 students)
Jan 2020 – Mar 2025

English Proficiency

IELTS Academic

[British Council](#)

L:9 R:9 W:7 S:8 Overall:8.5 CEFR Level: C2
Dec 5, 2025

Problem Solving

- Total solves: 1000+ **Languages:** C/C++, Python
Codeforces ([259](#)), UHunt ([165](#)), LightOJ ([207](#)), Vjudge ([323](#)), CodeChef ([Div 2, 4*](#)).

Selected Projects

CO-LAB

[Web app to showcase user projects](#)

2024

Stack: React, JavaScript, FastAPI, Python

DormBuddy

[Listing/searching for dormitories/hostels](#)

2023

Stack: React, Spring Boot, PostgreSQL, Firebase

CSEDU Portal

[Android app for the CSE Dept of Dhaka University: Profile management, Resources/Class Schedules](#)

2022

Stack: Flutter, Firebase, Dart

ProjectZ

[Arcade-style collection of several classic retro games.](#)

2021

Stack: C/C++, SDL, Git

Achievements

ICPC Dhaka Regional: 16th (2020), 20th (2021), 55th (2024); SUST IUPC 2021: 15th; SEC IUJPC 2021: 12th; DU CTF 2023: 4th.

Awards

Recipient of the Prestigious Dhaka University Dean's Award 2023 due to outstanding Academic Performance in the Under Graduate Program.