

Ittehad Saleh Chowdhury

Full-Time Lecturer (CSE), BRAC University, Dhaka, Bangladesh

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RESEARCH INTERESTS

Machine Learning, Artificial Intelligence, Networking, Mobile/Edge Computing, Deep Reinforcement Learning.

EDUCATION

University of Dhaka, Dhaka, Bangladesh

Bachelor of Science: Computer Science and Engineering

Jan 2020 — Dec 2024

CGPA: 3.83/4.00 (Top 5% of class)

Scholarshome School & College, Sylhet, Bangladesh

Higher Secondary School Certificate

June 2017 — Apr 2019

GPA: 5.00/5.00

EXPERIENCE

BRAC University

Full-Time Lecturer (CSE)

Dhaka, Bangladesh

June 2025 — Present

- Teaching CSE-220(Data Structures), CSE-421(Computer Networks), CSE-422(Artificial Intelligence) courses.
- Competitive Programming instructor for BRAC University Computer Club (BUCC).
- Contributing to research in AI/ML, LLMs and Edge Computing.
- Student Advisor: Helping students plan their career, understand the evolving Computer Science landscape.

Green University Research Group

Researcher

Dhaka, Bangladesh

January 2024 — Present

- Conducting research in networking, mobile/edge computing, and machine learning.
- Collaborating with peers via reading groups, seminars, and research discussions.

Turing (Contract)

Team Lead

Remote

Jan 2024 — June 2025

- 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 timely delivery of data to Frontier AI Labs.
- Worked as QA Automation Engineer to maintain data quality.

C&E

Lead Engineer

Sylhet, Bangladesh

June 2025 — September 2025

- Led the development of a Laboratory Information System (LIS) and integrated it for advanced diagnostic labs.
- Scaled LIS systems to run thousands of tests per day in an automated environment.

Amicsoft

Junior Full Stack Engineer

Dhaka, Bangladesh

Jun 2023 — Dec 2023

- Contributed to client projects using React, Spring Boot, and Flutter; implemented integration tests.
- Worked as a Test Automation Engineer.
- Took technical interviews for hiring new developers.

C&E

Intern

Sylhet, Bangladesh

Jan 2021 — Mar 2021

- Built management software modules with .NET.
- Contributed to the development of a Hospital Management System.

PROJECTS

CO-LAB

Developer

Dhaka, Bangladesh

2024

- Web app to showcase user projects.
- Stack: React, JavaScript, FastAPI, Python.

DormBuddy

Developer

Dhaka, Bangladesh

2023

- Listing/searching for dormitories/hostels.
- Stack: React, Spring Boot, PostgreSQL, Firebase.

CSEDU Portal

Android Developer

Dhaka, Bangladesh

2022

- Android app for the CSE Dept of Dhaka University: profile management, resources/class schedules.
- Stack: Flutter, Firebase, Dart.

ProjectZ

Developer

Dhaka, Bangladesh

2020

- Arcade-style collection of several classic retro games.
- Stack: C/C++, SDL.

PUBLICATIONS

- Ullah, R.; **Chowdhury, I. S.**; Razzaque, M. A.; Roy, P.; Hassan, M. M. (2025). *Federated Deep Reinforcement Learning for Optimal Resource Allocation in Vehicular Edge Computing*. Presented at the *Computing Conference 2025 (CompCom 2025)*, London, UK; subsequently published as a chapter in *Springer Lecture Notes in Networks and Systems (LNNs)*. [Springer Link](#)

AWARDS

Dhaka University Dean's Award 2023

Outstanding academic performance in the undergraduate program

Dhaka, Bangladesh

2023

ICPC Dhaka Regional Placements

16th (2020), 20th (2021), 55th (2024)

Dhaka, Bangladesh

2020-2024

General Scholarship from the board of Higher Secondary Education

Exemplary performance in the Higher Secondary Board Exam.

Dhaka, Bangladesh

2019

Bangladesh Mathematics Olympiad (Divisional Round)

Champion(2018), 2nd Runner Up(2017)

Sylhet, Bangladesh

2018-2017

Bangladesh Physics Olympiad (National Round)

19th(2019), 21nd(2017)

Dhaka, Bangladesh

2017-2018

SKILLS

- **Programming Languages:** C/C++, Java, Python, JavaScript, Dart, ARM Assembly, SQL
- **Frameworks/Libraries:** React, Flutter, Spring Boot, PyTorch, flwr
- **Databases:** PostgreSQL, MySQL, Firebase, Oracle
- **Testing:** Flutter Integration Test, Pytest
- **Embedded:** ARM Cortex M4, Laboratory Analyzers
- **Interests:** Problem Solving & Algorithms, Software development, AI/ML Research, LLMs, Reinforcement Learning, Edge Computing, Computer Networks

REFERENCES

Dr. Md. Abdur Razzaque, SMIEEE

Professor & Chairman, Department of Computer Science and Engineering, University of Dhaka, Dhaka 1000, Bangladesh

E-mail: razzaque@du.ac.bd

Scholar Profiles: [Faculty Profile](#) — [Google Scholar](#)

Dr. Mohammad Reza Selim

Professor, Department of Computer Science & Engineering, Shahjalal University of Science and Technology, Sylhet-3114, Bangladesh

E-mail: selim@sust.edu

Scholar Profiles: [Faculty Profile](#) — [Google Scholar](#)