

# MD. INZAMAM-UL HAQUE SOBUZ

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## EXPERIENCE

### ELM Inc.

Software Engineer

Kagoshima, Japan

Jul 2024 – Present

- Redesigned the ground station desktop application using WinUI 3, cutting **CPU usage by 80%** and significantly enhancing real-time and predictive **satellite tracking, visualization**, and overall user experience.
- Developed a Raspberry Pi-based system to **detect wild boars** at night using an IR camera and automatically control lighting to deter them.
- Developed the source module of an **IR audio data streaming system** on ESP32, handling audio recording from analog microphones and Bluetooth earphones, processing audio data from multiple sources (mic, Bluetooth, SD card), and streaming it via PWM.

### SAMSUNG R&D INSTITUTE

Software Engineer Intern

Dhaka, Bangladesh

Jan 2023 – Jun 2023

- Researched and contributed to improvements in the Continuity Camera feature (confidential due to company policy).

## PROJECTS

### UNISHARE | Spring boot, NextJs, PostgreSQL

Sep 2023 – Present

- Developed and maintained the backend for a rental marketplace catering specifically to university students, enabling efficient listings and seamless management.
- Live: [UniShare](#)

### ONLINE EXAM PROCTORING SYSTEM | MEAN

Jan 2022 – Mar 2022

- Implemented an automated online exam proctoring system that continuously monitors examinees' eye movements and activity. Detects attempts to switch exam tabs or look away from the screen beyond teacher-specified limits, and alerts the teacher with supporting evidence such as camera footage and screen recordings.
- Live: [Blink](#)

## SKILLS & ACHIEVEMENTS

**Technical:** C, C++, C#, Java, Python, Vue Js, Angular, Spring Boot, Nest Js, WinUI 3, PostgreSQL, MongoDB, ESP32, Raspberry Pi.

**Problem-Solving:** Solved 1700+ DSA problems and participated in over 250 contests. Designed, developed, and tested 10+ DSA problems.

**Certifications & Training:** Passed Samsung Software Competency Advanced test.

**Others:** Problem setter and tester for the Bangladesh AI Olympiad. Member of the university coding contest team. Awarded scholarships during JSC, SSC, HSC, and at Dhaka University for academic excellence.

## AWARDS

**2nd** (out of 90+) at Code Refactoring Competition (DU IIT ITverse 2023)

Team Name: Code Moppers

**3rd** (out of 500+) at Code Samurai 2022(Inter-University Hackathon)

Team Name: DU\_Heckers

**10th** (out of 100) at Inter University Programming Contest(BUET IUPC 2023)

Team Name: ঞ্ৰ্ম্ম্মী

**20th** (out of 165) at ICPC Asia Dhaka Onsite Regional Contest 2021

Team Name: DU\_HereForTheFood

**15th** (out of 120) at Inter-University Programming Contest(SUST IUPC 2023)

Team Name: DU\_HereForTheFood2.0

**Finalist** (got honorable mention out of 800+ participants) at Therap Javafest 2023

Team Name: HereWeGo

**353rd** (out of 6500+) at **GOOGLE** Kick Start 2021 Round B

Handle: inzamam\_inz

**815th** (out of 9000+) at **GOOGLE** Hash Code 2022 Online qualification round

Team Name: DU\_naam\_pai\_na

**Won Goodie by finishing in the top 2000** (out of 27,600+) at **META** Hacker Cup 2022 Round 2

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**Expert Coder** at CODEFORCES

Max Rating: 1768

**5 Star Coder** at CODECHEF

Max Rating: 2027

**Knight Coder (top 2.8%)** at LEETCODE

Max Rating: 1974

## EDUCATION

### UNIVERSITY OF DHAKA

Bachelor of Science in Software Engineering

Dhaka, Bangladesh

Jan 2019 – Dec 2023

- Awarded a university scholarship for academic excellence.
- Cumulative GPA: **3.80/4.00**.

## ACTIVITIES

### PROBLEM SETTER & JUDGE

Bangladesh AI Olympiad 2025

- Designed a data structure problem for the national selection round of BDAIO 2025 and served as a judge for the competition.

### COMPETITIVE PROGRAMMING

IIT, University of Dhaka

Tutor

Jan 2022 – Dec 2023.

- Guided first-year students struggling with coding and data structures & algorithms (DSA). Organized intra-weekly and monthly coding contests to enhance their skills.