

Mahmuda Begum

Competitive Programmer & Software Engineer
Chittagong, Bangladesh

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EXPERIENCE

Software Engineer Intern at Digiden IT

- Worked on backend development with Java Spring Boot and MySQL.
- Developed and maintained REST APIs for various functionalities.

Feb 2025 – Sep 2025

Competitive Programming Trainer (Autumn'23)

IIUC Competitive Programming Bootcamp, IIUC
Sep 2023 – Mar 2024 (Newcomer & Beginner Level)

Competitive Programming Trainer (Spring'23)

IIUC Competitive Programming Bootcamp, IIUC
Mar 2023 – Aug 2023 (Beginner Level)

Problem Setter

IIUC Powerpuff Girls Programming Contest 2.0

Problem Link: [D. Make it One](#)

EDUCATION

International Islamic University Chittagong,

B.Sc. in Computer Science & Engineering
Sep 2019 – Oct 2024, CGPA: 3.916

Chittagong Govt. Women's College,

Higher Secondary School Certificate (HSC)
2016 – 2018 GPA : 4.83

ONSITE PROGRAMMING CONTEST PROFILE

- CUET Inter-University Programming Contest 2022
- IIUC Intra University Programming Contest Autumn 2022
- IIUC Intra University Programming Contest Spring 2021
- Ada Lovelace NGPC University of Asia Pacific 2021
- NGPC Daffodil International University 2021

PERSONAL PROJECTS

- **Movie API with CRUD Operations : Using Java, Spring Boot, and MySQL**
This backend application allows users to manage movies, including adding, updating, deleting, and retrieving movie details. It supports authentication with JWT, file upload for movie posters, and pagination for movie listings.
- **Sorting Visualizer : Using C++**
A sorting visualizer that demonstrates Bubble Sort, Insertion Sort, and Selection Sort algorithms with interactive and adjustable speed using Raylib.

CAREER OBJECTIVE

Motivated software engineer with hands-on experience in backend development, REST API design, and database systems, strengthened by strong problem-solving skills through competitive programming. Passionate about research and development, with a keen interest in exploring new technologies, optimizing software performance, and contributing to innovative solutions. Dedicated to continuous learning and professional growth in a dynamic, knowledge-driven environment.

ACHIEVEMENTS

- ❖ **Ada Lovelace NGPC-2021**
(Rank-20th Ranklist)
Team Name : Three_Hold_Risk
- ❖ **NGPC-2021**
(Rank-58th Ranklist)
Team Name : Three_Hold_Risk
- ❖ Max **Codeforces** Rating – **1303 (Pupil)**
- ❖ Max **CodeChef** Rating – **1510**
- ❖ Max **LeetCode** Rating – **1498**
- ❖ **Best Female Team** – IIUC IUPC 2020

ONLINE JUDGES

Solved around 1700+ problems in different OJs

- Codeforces – [Mahmuda.B](#) 1300+ problems
- Codechef – [mahmuda920](#) 95+ problems
- Leetcode – [MahmudaB](#) 200+ problems

SKILLS

Participated in around 150+ online contests

- **Programming Languages:** C, C++, Java
- **Database:** Mysql, Oracle
- **Computational Problem Solving, Algorithm, Data structure**
- **OOP:** C++, Java
- **Developer Tools:** Sublime Text, Visual Studio Code, IntelliJ IDEA, DataGrip
- **Version Control:** Git, GitHub

EXTRACURRICULAR ACTIVITIES

- ⇒ **Asst. Creative Secretary**, IIUC Computer Club
- ⇒ **Volunteer**, IIUC CSE FEST 2022
- ⇒ **Contest Volunteer**, IIUC Powerpuff Girls Programming Contest
- ⇒ **Contest Volunteer**, IIUC Powerpuff Girls Programming Contest 2.0