MD TAMIM DARI CHOWDHURY

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ACADEMIC CREDENTIALS

Bachelor of Science in Computer Science and Engineering   *CGPA -* **3.57** *out of 4.00*
(Ranked 11th in the graduating class of 60)
Mawlana Bhashani Science and Technology University (MBSTU)
2016 - 2020

RESEARCH INTEREST

Software Engineering, Forward and Reverse Engineering, Machine Learning

RESEARCH EXPERIENCE

Undergraduate Research Work

Mawlana Bhashani Science and Technology University (MBSTU)

Thesis Title: "DistB-OT: A Distributed Secure Blockchain-based Online Ticketing System using Hyperledger Fabric"

Proposed a user-friendly, secure and fraud-resistant distributed online ticketing architecture for Bus, Train, and Airway using Hyperledger Fabric then measured the capability of the proposed platform through case studies.

Supervisor: Mohd. Sultan Ahammad, Assistant Professor, Dept. of CSE, MBSTU.

PROFESSIONAL EXPERIENCES

Associate Software Engineer   *December, 2022 - Present*
Kite Games Studio

- <u>Color Pop Effects Photo Editor</u> - Worked with a deep learning based colorization model. Work includes tweaking preprocessing, postprocessing as per the requirements, and making the model ready for server deployment. Millions of users use this feature.

- Audio Editor - Completed Research Phase to build features like boosting a given audio file's volume, and did UI/UX analysis, Architecture design, Task breakdown, Time estimation, Task completion, Issue fixing, and making the app ready for deployment.

- <u>New Profile Pic</u> - Participated in the first development phase. Extended, redesigned, and updated the application by leading a team of 3 people.

Junior Software Engineer   *November, 2021 - November, 2022*
Kite Games Studio

- <u>Slideshow Maker w Music</u> - Fixed critical bugs of the existing project, and improved performance.

- Researched features of multiple popular applications, and reverse-engineered to build those features.

STANDARDIZED TEST SCORES

International English Language Testing System (IELTS)   *11th February, 2023*

Reading	Listening	Writing	Speaking	Overall
8.5	8.0	6.5	6.5	**7.5**

TECHNICAL SKILLS

- C/C++, Swift, Python, Java
- Numpy, Matplotlib, PyTorch
- iOS SDK, iOS versions, Git, MongoDB
- Alamofire, AFNetworking, URLSession, HTTPS, and REST APIs

PROBLEM SOLVING BACKGROUND

- Proficient problem solver using Data Structures, Algorithms, Graph Theory, Dynamic Programming, Number Theory, String processing, etc.

- Participated in more than 10 national-level onsite programming contests along with over 250 online programming contests.

- **Competitive Problem Solving**:
  Codeforces - **solved 815+** problems (Handle: FrozenBeast028), Contest Max Rating: 1523
  CodeChef - **solved 90+** problems (Handle: tamim028), Contest Max Rating: 1883
  UVA - **solved 380+** problems (Handle: Tamim028)
  LeetCode - **solved 200+** problems (Handle: tamimdarichowdhury)
  LightOj - **solved 90+** problems (Handle: hunterorion)
  Vjudge - **solved 160+** problems (Handle: Tamim028)

EXTRA CURRICULAR ACTIVITIES, AWARDS AND ACHIEVEMENTS

- **5th Position** out of 60 students (GPA - 3.74), 3rd year - 2nd semester, B.Sc Degree
- Acheived GPA - 3.87 on a scale of 4.00, 4th year - 2nd semester, B.Sc Degree
- **Specialist problem solver** in Codeforces competitive programming platform.
- Reached **Division 1** (4-star problem solver) in CodeChef competitive programming platform.
- **2nd runner up**, at CSE MBSTU Intra Department Programming Contest 2K18
- 34th out of 95 teams (Team Name: MBSTU_Renesas) at BUP IUPC 2019
- 37th out of 116 teams (Team Name: MBSTU_Renesas) at GUB IUPC 2018
- **Competitive Programming Trainer**, CSE Department, MBSTU from 2019 to 2022.
- BACS Regional Programming Camps 2017 (Intermediate level)
- Organizing member and Problem setter at MBSTU CSE Victory Day Programming Contest 2020
- Organizing member of MBSTU CSE Inter Department Programming Contest 2019
- Volunteered in National High School Programming Contest 2017
- Volunteered and participated in CSE MBSTU Inter Dept Programming Contest 2017 (Team name - MBSTU_TriO)

LINGUISTIC PROFICIENCY

English (Fluent Working Proficiency)
Bangla (Native Language)

REFERENCES

Dr. Mohammad Motiur Rahman
Professor, Dept. of Computer Science and Engineering
MBSTU

Mahfuzur Rahman
CTO, Kite Games Studio
Dhaka, Bangladesh