MD TAMIM DARI CHOWDHURY

Badda, Dhaka

Mobile: +880-1744666102 ⋄ Gmail: chowdhury.tamim2023@gmail.com

⋄ Website ⋄ Linkedin ⋄ Github ⋄ Medium ⋄ Kaggle

EDUCATION

CGPA - 3.57 / 4.00 (last four terms' **CGPA 3.68**)
B.Sc. in Computer Science and Engineering
Mawlana Bhashani Science and Technology University [2016-2021]

SKILLS

- **Language:** Python, Swift, C/C++
- **Frameworks/Tools**: NumPy, Pandas, Scikit-Learn, Pytorch, OpenCV, PIL, Matplotlib, Seaborn, HTTPS, REST APIs, Xcode, Spyder, Visual Studio, CodeBlocks
- **Operating System:** Windows, iOS, macOS
- **Fields:** Deep Learning, Machine Learning, Computer Vision, Image Processing, Algorithms and Data Structure, Software Engineering
- **Others:** iOS SDK, iOS versions, Git

RESEARCH EXPERIENCE

Independent Research

- Submitted a machine learning (ML) based research paper to a journal, currently **under review**. Researched neonatal death prediction using geospatial and temporal features from UNICEF datasets. Developed an ensemble model combining multiple optimized regressors through hyperparameter tuning and evaluated using 10-fold cross-validation. Applied SHAP, an explainable AI technique, for model transparency and interpretability.

- Submitted a paper titled, *Graph-Based Intrusion Detection for CAN Bus Security: An Explainable AI Approach* to a conference. The research combined graph theory with machine learning to detect cyberattacks on the Controller Area Network using the latest dataset. Explainable AI methods were incorporated to provide better insights into the model's behavior and decisions.

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.

WORK EXPERIENCE

Software Engineer   *November, 2021 - Present*
Kite Games Studio

- Worked on more than 7 iOS applications that are published in the app store. Some of those apps are within the top list in their respective category.

- Worked extensively on image-processing and developed features that are used by millions of users.

PROFESSIONAL PROJECTS

- Retouch - AI Remove Objects - Led a team of 3 software engineers to develop the front end of the entire app. Integrated APIs from deployed AI models to deliver seamless AI-powered services within the app.
- Color Pop Effects Photo Editor - 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.

STANDARDIZED TEST SCORES

International English Language Testing System (IELTS)   *11.02.2023 - 11.02.2025*

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

SPORTS PROGRAMMING EXPERIENCE

- **CSE MBSTU IDPC 2K18** [Team: MBSTU_Hudai, rank: **3rd**]
- **CSE MBSTU Inter Dept Programming Contest 2017** [Team: MBSTU_TriO, rank: 7th]
- **BUP IUPC 2019** [Team: MBSTU_Renesas, rank: 34th]
- **Programming Camps** [BACS Khulna Regional Programming Camp 2017]
- **Other Contests:** ACM-ICPC 2017, 2018, 2019, 2020 (preli), GUB IUPC 2018, NSU IUPC 2018, BUET IUPC 2018, BUET IUPC 2019, MIST IUPC 2019
- **Online Platform**: [solved more than **2000** problems on different sites] - Codeforces [max rating: **1523, Specialist**], Codechef [max rating: **1883, Purple**], LeetCode [max rating: **1638** (Top **17.9%**), **370+** Problems], UVA [**380+** Problems]
- Kaggle - Beginner

VOLUNTEER EXPERIENCE

- **Competitive Programming Trainer**, CSE Department, MBSTU from 2019 to 2022.
- **Problem setter and Volunteer** at Breaking Code'23 : Programming Contest 2023 by CSE, MBSTU
- **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** in CSE MBSTU Inter Dept Programming Contest 2017