MD ALL MOON TASIR

Researcher,Competitive Programmer.

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RESEARCH INTEREST

Machine Learning, Deep Learning, Computer Vision, Image Processing, Artificial Intelligence,Natural Language Processing Intelligent Systems Development, Software Engineering, Digital Health

EDUCATIONAL QUALIFICATION

B.Sc. in Computer Science and Engineering

Bangladesh University of Business and Technology   Feb, 2019 – April 2023

Mirpur 2, Dhaka, Bangladesh   CGPA: 3.87/4.00 (SGPA 4.00 in 4 Sem.)

SELECTED PUBLICATIONS

Journal Articles

- **Accepted :** "XAI-FruitNet: An Explainable Deep Convolutional Neural Network Model for Accurate Fruit Classification" Journal of Agriculture and Food Research, Elsevier.

Conference Proceedings

- **Accepted :** "Next Word Prediction in Bangla Using Hybrid Approach", 26th International Conference on Computer and Information Technology (ICCIT), 2023
- **Accepted :**"Late and Early Blight Diseases Identification of Potatoes With a Light Weight Hybrid Transfer Learning Model ", IEEE World AI IoT Congress, 2023

EXPERIENCE

Lecturer   Shanto-Mariam University of Creative Technology

February 2024 –Current.   Dhaka, Bangladesh

CSE 2110,CSE 2111: Competitive Programming Sessional I,II , CSE 2103: Discrete Math and CSE 2112: Data Structures Lab

- ▸ Prepared IEB-standard question papers and mark schemes, helped solve doubts, and assisted with assignments, equations, and logic building.

Lecturer   Bangladesh University of Business and Technology

Aug 2023 – Dec 2023   Dhaka, Bangladesh

CSE 224 : Numerical Analysis Lab

- ▸ helped to build new equation and giving idea how to solve them.

Junior Machine Learing Engineer   Bytes of Intelligence

February 2024 –Current.   Dhaka, Bangladesh

Deep Learning Model Implemetation

- ▸ Implemented new model and try to make optimize hybrid model.

Teaching Assistant   BUBT

January 2023 – September 2023   Dhaka, Bangladesh

CSE 112 : Structure Programming Language Lab and CSE 122 : Object Oriented Programming Lab

- ▸ Helped prepare online contests for midterm and final exams, and assisted students in understanding C and C++ programming, including OOP concepts.

Research Assistant   Advanced Machine Intelligence Research Lab

March 2023 – Current   Dhaka, Bangladesh

Supervisor: Muhammad Firoz Mridha

▸ "Explainable Ensemble Deep Learning Model for Mulberry Leaf Classification and Disease Detection" in Journal of Plant Dis eases and Protection, Springer.(On Revision)

Competitive Programming Trainer   BUBT Programming Community

Feb 2021 –Dec 2023   Dhaka, Bangladesh

▸ Conducting classes on Data Structures and Algorithms, and maintaining performance updates and problem sets for contestants.

SELECTED AWARDS AND ACHIEVEMENTS

▸ Judge in **IUBAT COLLABORATIVE PROGRAMMING CONTEST 2023 and UAP Inter University Collaborative Programming Contest 1.0 2024**

▸ Judge in **BUBT Intra University Programming Contest 2022 and 2024**

▸ Placed 91th (1st **among BUBT) among 165 teams ICPC DHAKA REGIONAL 2021**

▸ Solved 1700+ **programming problems in different online programming Platforms.**

▸ Placed 62nd among 97 teams in **RUET Inter-University Programming Contest 2022**

▸ Placed 74th among 105 teams in **AUST Inter-University Programming Contest 2022**

▸ Honorable mention in **BUET Inter-University Programming Contest 2022**

▸ Placed 1st among 60 participants in **BUBT Intra-University Programming Contest 2021**

▸ Placed 2nd among 30 teams in **BUBT Intra-University Programming Contest 2020**

▸ Placed 10th in Bangladesh and positioned 400th among 7k contestent in **Codechef Starters 61 Division 3 2022**

▸ Placed 35th in Bangladesh and positioned 1104th among 21k contestent in **Codeforces Round 840 (Div. 2) 2022**

▸ **3 star with Max rating 1619 in Codechef** and **Max rating 1380 in Codeforces**

PROJECTS

Ekti Bangladesh ⌨

August 2021 – November 2021   C#,Dot Net,Visual studio

A complete Tourist spot related webpage for helping toursit to visit Bangladesh easily.
▸ Used CSS and DOT NET interface design and core app.

BUBT Affix ⌨

April 2022 – Aug 2022   Android Studio,JAVA,Firebase

BUBT-AFFIX as like as one stop service for BUBT students & faculties member. We made that for more usable, user friendly & more time consuming for all users. Anyone can act any kind of University's work by using it
▸ Used XML framework for interface design.

TECHNICAL SKILLS

Programming Languages:		C, C++, Python, Java, SQL.
Machine Learning:	:	PyTorch, Tensorflow,OpenCV, Keras,Numpy, Pandas.
Developer Tools	:	Visual Studio, Netbeans, Android Studio, CodeBlocks, LATEX, PyCharm.

SELECTED CO-CURRICULAR ACTIVITIES AND SERVICES

Problem Solver   Feb 2019 – Current.
▸ Participated in **5+** onsite programming contest.
▸ Participated in **375+** online programming contests during my 4 years of undergraduate program.

Problem Setter & Judge & Instructor   BUBT (Nov 2021 – Current.)
▸ Planning,managing writing & collecting problem-sets and tests the problem datasets in BIUPC.

Advisor   BUBT Programming Community(Nov 2023 – Dec 2023)
▸ Giving plan for ICPC 2023 contest and also train them for icpc 2023 and collaborate with judge pannel.

Conviener   BUBT Programming Community(Nov 2021 – Dec 2022)
▸ Planning semester-wise schedule for training classes & guiding junior competitive programmers.

Coach   Jan 2023 – Current.
▸ Team_Ravenclaw(Champion) IUBAT Collaborative Programming Contest 2023, ICPC Dhaka Regional Onsite 2023 Contest , SUST IUPC 2024, JU National Colligiate Programming Contest 2024 and IUT IUPC 2024.