ABU QUWSAR OHI

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EXPERIENCE

Research Assistant
Bangladesh University of Business & Technology

August 1, 2020 – Ongoing   Dhaka, Bangladesh

- Researching new architectural and mathematical strategies to reduce the current limit of deep learning based approaches.
- Developing and improving handwriting recognition systems to classify writers based on their handwriting.
- Researching and developing real-world speaker recognition systems.

PUBLICATIONS

📄 Journal Articles

- Ohi, Abu Quwsar, MF Mridha, Md Abdul Hamid, Muhammad Mostafa Monowar, Dongsu Lee, et al. (2020). "A Lightweight Speaker Recognition System Using Timbre Properties". In: *The Journal of Contents Computing* 2.1, pp. 139–151.
- Ohi, Abu Quwsar, MF Mridha, Md Abdul Hamid, Muhammad Mostafa Monowar, Md Ferdous Mridha, et al. (2020). "Full Dynamic Transmission Model and Threat Analysis of COVID-19". In: *The Journal of Contents Computing* 2.1, pp. 127–138.
- Ohi, Abu Quwsar, MF Mridha, Farisa Benta Safir, et al. (2020). "AutoEmbedder: A semi-supervised DNN embedding system for clustering". In: *Knowledge-Based Systems*, p. 106190. DOI: 10.1016/j.knosys.2020.106190.

👥 Conference Proceedings

- Mridha, MF, Md Rahman, Abu Quwsar Ohi, et al. (2020). "Human Abnormality Detection Based on Bengali Text". In: *2020 IEEE Region 10 Symposium (TENSYMP)*. URL: https://arxiv.org/abs/2007.10718.

✏️ Preprints

- Ohi, Abu Quwsar, MF Mridha, Muhammad Mostafa Monowar, et al. (2020). *Exploring Optimal Control of Epidemic Spread Using Reinforcement Learning*. DOI: 10.21203/rs.3.rs-48613/v1.

VOLUNTEER EXPERIENCE

Problem Setter & Judge
Bangladesh University of Business and Technology

From 2019 – Present

- Planning & managing intra-university programming contests.
- Writing & collecting problem-sets and conducting critical problem-set selection tasks.

INTERESTS

Deep Learning   Computer Vision   Pattern Recognition   Algorithms

PROGRAMMING SKILLS

Python   MySQL   C++   Latex   Tensorflow   Keras   Scikit-Learn   Matplotlib   NumPy   Flask

ACHIEVEMENTS

🏆 **Programming Contest**
Total 5 times champion in BUBT Intra University Programming Contest

🏆 **National Collegiate Programming Contest (NCPC)**
Placed among top 31

🏆 **ICPC - Dhaka Regional Contest**
Attended ICPC Dhaka Regional 2 times and placed among top 70

🏆 **Inter University Programming Contest**
Attended more than 5 contests and conquered highest rank 7

📈 **Problem Solver**
Solved around 2000 problems in various online judges

PERSONAL PROJECTS

plagIT
A plagiarism checker for programming languages

plagIT is a plagiarism checker that checks for plagiarism based on the lexical changes of two scripts. plagIT currently supports plagiarism check on C, C++, Python, and Java.

EmployeeManagement
An employee management system

A web-based employee management system that registers employees & keeps a log of

Conveiner
Competitive Programming Community (BUBT)

📅 From 2019 – Present

- Planning semester-wise schedule for training classes.
- Training & guiding junior competitive programmers.

ONLINE PROGRAMMING PROFILES

- Solved 470+ problems in UVA online judge.
- Solved 220+ problems in LightOJ.
- CodeForces highest rating 1581.
- CodeChef highest rating 1948.

EDUCATION

B. Sc in CSE
Bangladesh University of Business & Technology

📅 June 2016 – June 2020   📍 Dhaka, Bangladesh

- CGPA - 3.71

HSC
Savar Cantonment Public School & College

📅 2013 – 2015   📍 Savar, Dhaka

- GPA - 4.87

their salary, pay grade, role, and personal information.

REFEREES

Prof. Muhammad Firoz Mridha
@ Bangladesh University of Business and Technology
✉ firoz@bubt.edu.bd

Md. Saifur Rahman
@ Bangladesh University of Business and Technology
✉ saifurs@gmail.com