



ABU QUWSAR OHI

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QuwsarOhi

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EXPERIENCE

Research Assistant

Bangladesh University of Business & Technology

August 1, 2020 – Ongoing Dhaka, Bangladesh

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

PERSONAL PROJECTS

plagIT

A plagiarism checker for programming languages

plugIT is a plagiarism checker that checks for plagiarism based on the lexical changes of two scripts. plugIT 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 their salary, pay grade, role, and personal information.

ONLINE PROGRAMMING PROFILES

- Solved 470+ problems in [UVA online judge](#).
- Solved 220+ problems in [LightOJ](#).
- [CodeForces](#) highest rating 1581.
- [CodeChef](#) highest rating 1948.

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. DOI: [10.9728/jcc.2020.06.2.1.139](#).
- 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. DOI: [10.9728/jcc.2020.06.2.1.127](#).

INTERESTS

Research & Development

Deep Learning

Computer Vision

Pattern Recognition

Algorithms

PROGRAMMING SKILLS

Python

C++

Latex

Tensorflow

Keras

Sklearn

Matplotlib

NumPy

ACQUAINTED WITH

Linux

Git

Virtual Env. (Python)

Flask

HTML

Bootstrap

CSS

Object-relational Mapping (ORM)

ACHIEVEMENTS



Programming Contest

Total 5 times champion in BUBT Intra University Programming Contest



National Collegiate Programming Contest (NCP)

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

- 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](https://doi.org/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 (TENSYP)*. 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](https://doi.org/10.21203/rs.3.rs-48613/v1).

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

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.

Conveiner


Competitive Programming Community (BUBT)

 From 2019 – Present

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


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