

Tanveer Muttaqueen

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EDUCATION

Bangladesh University of Engineering and Technology (BUET)

B.Sc in Computer Science and Engineering

Graduated: Feb 2021

CGPA: 3.84/4.00 (12th/143 students)

SKILLS

Languages

C, C++, Python, Java, Unix Shell

Problem Solving

Solved 2000+ Algorithmic Problems in Multiple Online Platforms Using C++

Databases

PostgreSQL, MySQL, AWS DynamoDB, Redis

Frameworks/Tools

Django, Pandas, Numpy, Pytorch, Celery, DRF

Cloud

AWS, AWS Lambda, Amazon S3

AWARDS

ACM ICPC

[World Finalists](#) (2019), [4th](#) (Dhaka Regional, 2019), [2nd](#) (Dhaka Regional, 2018), [5th](#) (Dhaka Regional, 2017), [5th](#) (Dhaka Regional, 2016)

Codeforces

[Max Rating 2085 \(Top 3.2%\)](#) ([t.muttaqueen](#))

Codejam

[1112th \(Top 3.1%\)](#) in 2019

[1397th \(Top 5.7%\)](#) in 2018

National Programming Contests

Within [Top 3](#) in Multiple National Programming Contests.

Awards for Academic Excellence

Dean's Honor List, University Merit Scholarship in multiple terms in BUET.

10.21.2021

EXPERIENCE

TigerIT Bangladesh Ltd.

SOFTWARE ENGINEER, R&D DEPARTMENT

Sept 2021 – present

DHAKA, BANGLADESH

- Working on Deep Learning based Facial Recognition System.
Tools: C++, Python, OpenCV, PyTorch, ONNX

PriyoSys Ltd.

SOFTWARE ENGINEER

Feb 2021 – Aug 2021

DHAKA, BANGLADESH

- Modified existing nearby news retrieval system by taking it into a serverless system and designing the migration from RDBMS to NOSQL database. Used Quad-tree based approach using integer geohash for faster results. The API call now gives response with less than 100ms.
Tools: Python, AWS Dynamodb, AWS lambda.
- Worked on a bidding and selling website like eBay with total users 1 million and daily active users 30k+. Added autobid feature and a sales subsystem. Modified existing database schema to reduce load on database server for some API calls.
Live link: [sowda.com](#)
Tools: Celery, Redis, Django, Django REST Framework, PostgreSQL.
- Improved payment scalability of 'Priyo Pay' system by integrating various server side payment gateways. This is serving as a crucial component in many Priyo services.
Tools: Django, PayPal Order API, DBBL API, PostgreSQL.

PROJECTS

Academic Project: Search Engine

Aug 2016 - Oct 2016

Built a Crawler, Indexer and a Simple Search Engine interface.

Technology/Tools: Java, Multithreading, Networking

Academic Project: Tour Planner

Mar 2019 - May 2019

Tour Planner website. Takes user preference and shows a detailed tour plan.

Technology/Tools: Python, Django, SQLite, Map API, Weather API

PUBLICATION

CoDesc: A Large Code-Description Parallel Dataset ([link](#))

Findings of the Association for Computational Linguistics, ACL 2021

Collected and fine tuned 4.2 Million code-natural language pair. This larger preprocessed dataset achieved new SOTA result in code summarization using existing sequence to sequence models.