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/144 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.

07.24.2021

EXPERIENCE

PriyoSys Ltd. — Feb 2021 – present
SOFTWARE ENGINEER — DHAKA, BANGLADESH

- Designed and implemented a serverless system supporting insertion of news articles and real time query of nearby news given latitude and longitude at average response time of less than 100 ms.
  Tools: Python, Geohash, AWS Dynamodb, AWS lambda.
- Designed and implemented a bidding and selling website like eBay. Added autobid feature so users can automatically race upto a certain threshold against the top bidder. Added a sales subsystem where users can buy a product directly instead of bidding.
  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.

Bangladesh Association of Problem Setters — Mar 2020 - Present
PROBLEM SETTER — DHAKA, BANGLADESH

- Set programming problems in divisional and national programming contests.

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-natual language pair. This larger preprocessed dataset achieved new SOTA result in code summarization using existing sequence to sequence models.