

Tanveer Muttaqueen

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EDUCATION	Bangladesh University of Engineering and Technology (BUET) B.Sc. in Computer Science and Engineering (CSE) Feb 2016 - Feb 2021	Dhaka, Bangladesh
SKILLS	Languages: C, C++, Python, Java, Unix Shell Problem Solving: Solved 2000+ Algorithmic Problem in Multiple Online Platforms Using C++ Frameworks: Django, Pandas, Numpy, Pytorch Databases: PostgreSQL, AWS DynamoDB, Redis, SQLite Cloud: AWS, AWS Lambda, Amazon S3	
EXPERIENCE	<u>PriyoSys Ltd.</u> Software Engineer	Feb 2021 - Present Dhaka, Bangladesh
	<ul style="list-style-type: none">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. Live link: https://news.priyo.com Tools used: 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: https://store.priyo.com Tools used: Celery, Redis, Django, Django REST Framework, Postgresql.Improved payment scalability of 'Priyo Pay' system by integrating serverside PayPal payment method in . This is serving as a crucial component in many Priyo services. Tools used: Django, PayPal Order API, Postgresql.	
	<u>Bangladesh Olympiad in Informatics</u> Scientific Committee Member and problem setter	Sept 2019 - Nov 2020 Dhaka, Bangladesh
	<ul style="list-style-type: none">Set programming problems in divisional and national rounds.	
	<u>Bangladesh Association of Problem Setters (BAPS)</u> Problem setter	Mar 2020 - Present Dhaka, Bangladesh
	<ul style="list-style-type: none">Set problems for national contests and ICPC Dhaka, 2021 preliminary contest.	
AWARDS	<ul style="list-style-type: none">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%) (handle: t.muttaqueen)Codejam: Ranked 1112 (Top 3.1%) in 2019 and 1397 (Top 5.7%) in 2018National 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.	
SELECTED PROJECTS	Academic Project: Search Engine (Aug 2016 - Sept 2016) Built a Crawler, Indexer and a Simple Search Engine interface. <ul style="list-style-type: none">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. <ul style="list-style-type: none">Technology/Tools: Python, Django, SQLite, Map API, Weather API	
RESEARCH EXPERIENCE	Undergraduate Thesis (Apr 2019 - Nov 2020) under Dr.Rifat Shahriyar on Code Search and Summarization Using Deep Learning Using Sequence to Sequence models (LSTM, TRANSFORMER) to summarize and search code in code-base. Status: Completed and published a paper in ACL Findings, 2021..	