

# 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  CGPA: 3.84/4.00
SKILLS	<b>Languages:</b> C, C++, Python, Java, Unix Shell <b>Problem Solving:</b> Solved 2000+ Algorithmic Problem in Multiple Online Platforms Using C++ <b>Frameworks/Tools:</b> Django, Pandas, Numpy, Pytorch, Celery, DRF <b>Databases:</b> PostgreSQL, MySQL, AWS DynamoDB, Redis <b>Cloud:</b> AWS, AWS Lambda, Amazon S3	
EXPERIENCE	<b><u>PriyoSys Ltd.</u></b> Software Engineer	Feb 2021 - Present Dhaka, Bangladesh
	<ul style="list-style-type: none"><li>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. <b>Live link:</b> <a href="https://news.priyo.com">https://news.priyo.com</a> <b>Tools used:</b> Python, Geohash, AWS Dynamodb, AWS lambda.</li><li>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. <b>Live link:</b> <a href="https://swoda.com">https://swoda.com</a> <b>Tools used:</b> Celery, Redis, Django, Django REST Framework, Postgresql.</li><li>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. <b>Tools used:</b> Django, PayPal Order API, DBBL API, Postgresql.</li></ul>	
	<b><u>Bangladesh Olympiad in Informatics</u></b> Scientific Committee Member and problem setter	Sept 2019 - Nov 2020 Dhaka, Bangladesh
	<ul style="list-style-type: none"><li>Set programming problems in divisional and national rounds.</li></ul>	
	<b><u>Bangladesh Association of Problem Setters (BAPS)</u></b> Problem setter	Mar 2020 - Present Dhaka, Bangladesh
	<ul style="list-style-type: none"><li>Set problems for national contests and ICPC Dhaka, 2021 preliminary contest.</li></ul>	
AWARDS	<ul style="list-style-type: none"><li><b>ACM ICPC:</b> <a href="#">World Finalists</a> (2019), <a href="#">4th</a> (Dhaka Regional, 2019), <a href="#">2nd</a> (Dhaka Regional, 2018), <a href="#">5th</a> (Dhaka Regional, 2017), <a href="#">5th</a> (Dhaka Regional, 2016)</li><li><b>Codeforces:</b> <a href="#">Max Rating 2085 (Top 3.2%)</a> (handle: <a href="#">t.muttaqueen</a>)</li><li><b>Codejam:</b> <a href="#">Ranked 1112 (Top 3.1%)</a> in 2019 and <a href="#">1397 (Top 5.7%)</a> in 2018</li><li><b>National Programming Contests:</b> Within <a href="#">Top 3</a> in Multiple National Programming Contests.</li><li><b>Awards for Academic Excellence:</b> Dean's Honor List, University Merit Scholarship in multiple terms in BUET.</li></ul>	
SELECTED PROJECTS	<b>Academic Project:</b> <a href="#">Search Engine</a> (Aug 2016 - Sept 2016) Built a Crawler, Indexer and a Simple Search Engine interface. <ul style="list-style-type: none"><li><b>Technology/Tools:</b> Java, Multithreading, Networking</li></ul> <b>Academic Project:</b> <a href="#">Tour Planner</a> (Mar 2019 - May 2019) Tour Planner website. Takes user preference and shows a detailed tour plan. <ul style="list-style-type: none"><li><b>Technology/Tools:</b> Python, Django, SQLite, Map API, Weather API</li></ul>	
RESEARCH EXPERIENCE	<b>Undergraduate Thesis</b> (Apr 2019 - Nov 2020) under <a href="#">Dr.Rifat Shahriyar</a> on Code Search and Summarization Using <b>Deep Learning and Sequence to Sequence models</b> (LSTM, TRANSFORMER) to summarize and search code in code-base. <b>Status:</b> Completed and published a <a href="#">paper</a> in ACL Findings, 2021..	