



Md Tanvir Parvez

Contact Information	Dhaka, Bangladesh Cell: (+880) 1798955707 E-mail: tanvir.parvez.stat@gmail.com	GitHub: github.com/tanvirparvez04 LinkedIn: linkedin.com/in/tanvirparvez04
Career Objective	Statistics graduate with practical experience in machine learning, deep learning, NLP, dashboard development, and data analysis. Eager to apply data-driven solutions to real-world challenges in a results-orientated corporate environment.	
Experience	Remote Research Assistant Qatar Computing Research Institute, Doha, Qatar <ul style="list-style-type: none">Co-developed MapEval, a benchmark for evaluating geo-spatial reasoning in foundation modelsLed data collection and annotation across 28+ LLMs with map-based reasoning tasksCollaborated with international teams, streamlining map-based evaluation workflows	[Mar 2024 – Mar 2025]
Education	B.Sc. in Statistics Islamic University (IU), Kushtia, Bangladesh CGPA: 3.62 on a scale of 4.00 (Last 4 semesters' CGPA: 3.77) Position: Ranked 5 th in a class of 50 students	[Jan 2019 – Jan 2025]
Publications	<ol style="list-style-type: none">Mahir Labib Dihan, Md Tanvir Hassan*, Md Tanvir Parvez*, Md Hasebul Hasan, Md Almash Alam, Muhammad Aamir Cheema, Mohammed Eunus Ali, Md Rizwan Parvez. <i>MapEval: A Map-Based Evaluation of Geo-Spatial Reasoning in Foundation Models</i>. *: Equal Contribution. ICML 2025 Spotlight, Vancouver, Canada. Top 3 global AI conferences.Md Tanvir Parvez, Mohammad H. Mobarok, K. S. M. Tozammel Hossain. <i>Predicting Rice Yields in Bangladesh using the Long Short-Term Memory Model</i>. Under review at AAEA&WAEA 2025, USA.	
Research & Projects	Crops Yield Prediction: Machine Learning Regression Analysis <i>Supervisor:</i> Prof. Md. Mahabubur Rahman, Islamic University <ul style="list-style-type: none">Created ML pipeline to predict crop yields using historical climate and agricultural dataIdentified Random Forest as top-performing model through comparative analysis A Time Series Approach to Short-Term Bitcoin Price Prediction <i>Supervisor:</i> Prof. Md. Mahabubur Rahman, Islamic University <ul style="list-style-type: none">Developed a Bitcoin price prediction model using ARIMA on historical daily dataOptimized and validated ARIMA models, with ARIMA(2,1,2) achieving the best performance (RMSE: 0.0389, MAE: 0.0247)Highlighted ARIMA's limitations in volatile markets and proposed hybrid approaches for improvement MapCoder: Multi-Agent Code Generation for Competitive Problem Solving <i>Supervisor:</i> Prof. Mohammed Eunus Ali, Monash University, Australia <ul style="list-style-type: none">Explored multi-agent code generation from natural language	
Technical Skills	[Languages] Python, R, SQL (MySQL), LaTeX [ML/Data Tools] Pandas, NumPy, Scikit-learn, Keras [Development] JupyterLab, Git, GitHub, Google Colab, VS Code [Visualisation] Power BI, Tableau, Matplotlib, Seaborn	
Honors & Awards	<ul style="list-style-type: none">University Merit Scholarship: Islamic University, Bangladesh (2021, 2022)Founder, IU Stats for Blood (IUSB) (2023)Champion, Intra-School Debate Competition (2015)Runner-up, Upazila-level Debate Competition (2016)Runner-up, Biology Olympiad (Biology-Plus) (2018)Speaker, "Python programming language", Statistics Programming Club, IU (2024)	