Tanveer Singh Gupta

MSc. Statistics and Data Science

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EDUCATION					
Qualification	Institute	Board / University	Year	% / CGPA	
MSc. Statistics and DS	NSoMASA, NMIMS, Mumbai	NMIMS	2022-2024	3.93/4	
BS (DS and Applications)	IIT Madras, Chennai	IIT Madras	2020-2024	8.5/10	
BSc. (Statistics)	SIES College, Mumbai	Mumbai University	2019-2022	9.87/10	
HSC	Christ Academy, Navi Mumbai	HSC	2019	79%	
SSC	Sacred Heart High School, Mumbai	SSC	2017	86%	

TERNSHIPS		20 Months
HDFC Bank, Mumbai	 Position: - Data Science Intern (Marketing Analytics) Developing a state-of-the-art recommendation system using deep neural network-based recommendation systems for 23+ bank products on a base of 6.5+ crore customers, leveraging capabilities of multiple recommendation models such as (YouTube-Ranking, SIM, Two-tower). Developing an ID-Face verification model leveraging mtcnn for the face detection and leveraging facenet512 capabilities for face verification. Leveraged S-bert encodings for grouping documents of similar context, reducing the overall redundant documents and consolidating them. 	Jan-Presen 2024
Stylumia, Remote	Position: - Data Science Intern (Forecasting and Prediction) Utilized data-driven analysis to resolve brand challenges in assessing store inventory, strategizing SKU planning, and pinpointing high-revenue products and emerging market trends thereby enhancing overall business performance. Leveraged Nixtla to develop a hierarchical machine learning-based time series forecasting model to forecast the SKU count at a store level.	Oct -Dec 2023
Raaho (Funded by Paytm and Cred),Gurugram	 Position: - Data Science Intern Developed data-driven demand and supply zones using hybrid and iterative techniques with a focus on high profitability and increasing the overall city coverage.(Link) Created a forecasting model using the XGBoost algorithm, reducing the supplier's time for obtaining freight charges by 98% and increasing the coverage of satisfactory bid amounts from 15% to 97%. Developed hybrid demand forecasting model using (LSTM+XG-Boost) and accurately provided support to the demand ops team for optimizing inventory management, enhancing supply chain efficiency, and making informed decisions. Developed, trucker-to-lane recommendation using NCF (Neural Collaborative Filtering), and customer recommendation system to optimize the freight marketplace in order to maximize the overall fill-rate. Developed a hybrid Zero-inflated-regression model in order to capture the probable expected loads. Conducted extensive research in the Online Freight Exchange (OFEX) domain, leveraging insights to design predictive models for real-time inventory management and precise freight charge prediction. 	Apr-Sept 2023 & Jun- Dec 2022
IGT Solutions, Remote	Position: - Data Science Intern	May-Aug 2021

PROJECTS		
"पाठ सारांश": Hindi text Summarization using NLP and Transformer Neural Network.	This project is focused on addressing the increasing demand for text summarization systems specifically designed for Hindi text. It employs a combination of extractive and abstractive methods, including TF-IDF, Text Rank, T5, and BART to generate concise summaries. The evaluation of the generated summaries is conducted using metrics such as ROUGE-1, ROUGE-2 and ROUGE-L, which assess the quality and coherence of the summaries.	Jan-May 2023
Application of Mathematical Techniques in Computed Tomography	The aim of this study was to evaluate and improve the accuracy of computed tomography image reconstruction through various techniques, including Least Square Method, Filtered Back Projection with different filters, Kaczmarz iterative method, and Expectation-Maximization Algorithm, in order to enhance image quality, reduce errors, and enable more effective detection of minute details.	Sep-Nov 2022
Financial Literacy	This study investigates how socio-demographic factors affect Financial Literacy through the utilization of machine learning techniques. By employing these methodologies, we examined the correlation between socio-demographic variables and the probability of possessing financial literacy skills. The findings of this research offered valuable insights into the pivotal factors influencing financial literacy, facilitating the development of focused interventions and strategies to bolster financial education and inclusion efforts.	Jan-Feb 2022

EXTRA CURRICULAR ACTIVIT	TIES	
Awards & Achievements	 Winner of Project/Poster Presentation, International Conference on Statistics 2023 of NMIMS, NSoMASA. 	
	 2nd Runner-up in Insightalyze 3.0, the National Level Data Visualization Case Competition at Technoverse'23 - the Business Analytics Fest of IIM Ranchi. 	2023
	 Finalist Pratyaksh the Data Visualization challenge of Goa Institute of Management. 	2023
	 Selected for Winter School on Deep Learning by ISI Kolkata. 	2021
	Selected for Madhava mathematics camp by TIFR.	2020
	 Introduction to Abstract and Linear Algebra by NPTEL (Silver Medal) 	2020
	• Calculus of One Variable by NPTEL (Silver Medal)	2020

CERTIFICATIONS & SKILLS			
Certifications		Fitting Statistical Models to Data with Python	
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Programming Skills	Python, Excel, Notion, Fast-API, SQL, Tableau		
Skills	Statistical Analysis and Modelling, Time series Analysis, Neural Networks, Machine Learning.		

INTERESTS			
Amateur Trader Public Speaking	Standup-Comedy		