

TEJAS GUJAR

114th Manhattan Ave, NY, 10026 | tg2718@columbia.edu | (646) 420 4632 | www.linkedin.com/in/tejas-rgujar | [GitHub](#)

EDUCATION

Columbia University: M.S. Operations Research

New York (Sept 2019 - Dec 2020)

Courses: Machine Learning, Business Analytics, Data Analytics, Business Strategy, Optimization Models, Probability Statistics
Columbia Student Athlete Tutor: Linear Algebra, Calculus I, Statistic Inference

Vishwakarma Institute Of Technology: Bachelors Industrial Engineering

India (July 2014 - May 2018)

Courses: Supply Chain, Operations Management, Simulation, Project Management- **GPA: 8.68/10 (Rank 3/44)**

TECHNICAL SKILLS

Technologies Python, Excel, SQL, Tableau, Jupyter, AWS, R, Word, PowerPoint, Google Analytics

Libraries Numpy, Pandas, Matplotlib, Seaborn, Plotly, Sci-Kit-Learn, Nltk, Fuzzywuzzy, Scipy, Keras, TensorFlow

PROFESSIONAL EXPERIENCE

Morgan Stanley (Kh Group) Analytics Project: Portfolio Optimization System

New York (June 2020 - Aug 2020)

- Led a team to build a personalized AI metric system for portfolio managers to predict monthly trends and returns for stocks
- Analyzed 4 year trade logs by classifying into 11 major S&P sectors and observed patterns by backtesting on Collab (python)
- Performed trade time series analysis on high intensity stocks to evaluate decision making such as rebalance/sell/buy
- Executed on KNN and neural network (deep learning) models with 75% accuracy rate on trade position using alternate data
- Presented outcome on Tableau to senior leadership in non-technical terms to recommend best investing sectors with 3 devised metrics

Alma.mba: Machine Learning Summer Intern

New York (June 2020 - Aug 2020)

- Built an end-to-end data pipeline - gather, process and deploy - to help MBA aspirants target right B-Schools based on their profile
- Used selenium scraper to parse targeted LinkedIn profiles of Business-Schools in US and Canada
- Data cleaning – removing overlaps, mapping degrees and combining various data sources using fuzzy algorithm and SQL
- Achieved 71% accuracy rate with multivariate logit regression and linear regression models
- Automated the model that ran in backend when LinkedIn Id of an aspirant is fed into the web-app

The Waste Traceability Project: co Founder (Columbia-IBM Blockchain Accelerator)

New York (Dec 2019 - June 2020)

- Developed a reporting platform to reduce waste in landfills by consulting various stakeholders in waste supply chain using SQL
- Received monetary funding where we competed against 25 other teams to get selected for the accelerator
- Conducted around 50 customer interviews to understand the pain points with pivots to pin-point business solution

Zocdoc: Data Operations Researcher

India (Feb 2019 - June 2019)

- Conducted detailed end-to-end check of providers from United States before on-boarding to ZocDoc platform
- Generated actionable business insights for doctor visits using conditional formatting and vlookups in Excel
- Collaborated with departments and stakeholders across New York and Phoenix cross-functionally with product and sales team

ACADEMIC PROJECTS

Sales Prediction algorithm and visualization using Tableau

- Predicted retail store sales affected by multiple factors like competition, holidays, promotion, customer distance and many others
- Performed A/B testing and Diff-in-Diff between sales and in US and Canada to analyse new offers introduced by stores
- Created a dashboard using Tableau which had Trend of Returns and Expansion states for stores from large datasets

Statistical Analysis on Financial Market claims

- Tested claims that returns in some months are higher than other months by carrying on statistical analysis (Z-test hypothesis test)
- Checked fraudulent financial data using Benford's Law and regressed stocks on each other to find high return portfolios
- Developed dynamic interface in python to present all the tests result and insights from above

INTERESTS & ACTIVITIES

Make a Difference (MAD) Volunteered as a teacher, teaching math and science to underprivileged children in shelters homes

The Vidya Project: Operations and International Outreach helping to expand projects across different Indian states

Aiesec: Senior Manager of outgoing Global Entrepreneur (oGE) for Aiesec In Pune and led a team of 30

