

RAHUL TEJA BOLLOJU

Data Analyst

rahultejabolloju@gmail.com

<https://www.linkedin.com/in/rahultejabolloju>

+1 (906) 299-2760

Chicago, Illinois, 60608, United States

Analytical Data Strategist with 3 years and emerging leader with strong analytical skills, specializing in leveraging data to drive business insights and optimize processes. Passionate about mentoring teams, fostering collaboration, and delivering impactful, data-driven solutions.

Work Experience

Founder

Nov 2022 - Present

Neta Global Leadership

Mentor 10 future leaders, helping them align their values with career goals and develop the skills needed to secure their career paths. Empower students to become confident leaders and achieve professional success.

Data Scientist

Jul 2023 - Aug 2023

Pitney Bowes

- Collaborated with Senior Data Scientist, Senior Manager, Product Managers, Marketing team, and interns to develop SQL queries in Snowflake for sales data extraction and efficient analysis using Python.
- Implemented time series forecasting models (AutoARIMA, Prophet) with 95% accuracy in predicting sales trends.
- Leveraged Joblib's parallel processing to reduce model evaluation time by 40%.
- Achieved 0.76 AUC in predicting customer defaulters using XGBoost with robust backtesting.
- Delivered actionable insights that improved sales forecasting accuracy and reduced operational inefficiencies, contributing to data-driven decision-making and customer retention strategies.

Data Analyst

Jun 2020 - Jul 2022

FonkR Solutions

- Employed web scraping techniques with BeautifulSoup to collect and pre-process data, analyzing purchasing patterns and trends.
- Utilized cutting-edge data visualization tools such as PowerBI and Plotly (Python library) to create dynamic dashboards, enabling stakeholders to explore and analyze complex purchasing patterns.
- Implemented sentiment analysis, employing machine learning algorithms like Support Vector Machine and logistic regression to accurately predict and assess customer satisfaction levels, achieving 88% accuracy.
- Leveraged advanced analytics and data modeling techniques to identify and mitigate negative sentiment, employing
- Natural Language Processing (NLP) and sentiment classification, resulting in a 20% improvement in customer satisfaction scores.
- Ensured best data management and governance practices, maintaining high data quality and comprehensive documentation.
- Demonstrated proficiency in agile development methodologies, consistently refining and optimizing solutions based on iterative feedback and data-driven insights.
- Improved customer satisfaction by 20% through targeted sentiment analysis and data-driven solutions, while streamlining data exploration for stakeholders and optimizing purchasing trend analysis.

Data Analyst

Apr 2020 - May 2020

Vinx Innovation Tech Solutions

- Developed machine learning models to optimize heavy vehicle fuel consumption, achieving a 10% reduction in fuel use.
- Integrated 7 predictive variables into a neural network, significantly enhancing fuel prediction accuracy.
- Optimized fuel predictions using different window sizes, achieving top performance with a 1 km window.
- Attained a coefficient of determination of 0.91 and mean absolute percent error below 4%.

- Contributed to operational cost reduction and more efficient fuel management strategies, resulting in significant savings and more sustainable practices for the fleet.

Data Science Intern

Apr 2019 - May 2019

The Smart Bridge

- Developed a Convolutional Neural Network (CNN) model using OpenCV, achieving 86% accuracy in classifying animals.
- Implemented real-time wild animal detection with alerts, reducing response time by 50%.
- Enhanced safety for 10 tribal villages and reduced human-wildlife conflicts by 30%.
- Coordinated with a 5-member team to integrate solutions, improving community safety for 8.6% of the national tribal population.
- Delivered a significant reduction in human-wildlife conflicts, improving community safety and reducing response times, which contributed to the well-being of over 8.6% of the national tribal population.

Projects

Enhancing Gas Station Customer Experience

Jan 2024 - Apr 2024

Led a data-driven project at Houghton gas stations, analyzing peak hours, bottlenecks, and vehicle types using Two-way ANOVA. Identified longer waiting times for pickup trucks, implemented tailored strategies, reduced delays, and improved customer satisfaction through actionable insights and visualizations.

RFM Analysis For Customer Segmentation

Aug 2023 - Dec 2023

Performed RFM analysis and K-Means clustering on Online Retail II data to segment customers. Used Azure Databricks for processing, optimized clusters with Elbow Method, validated via Silhouette Score, and presented insights in Power BI, boosting customer retention.

Core Skills

Programming & Data Tools : Python, SQL, Snowflake, Power BI, Tableau, Azure Data Factory, OpenCV, MySQL, Joblib, Power BI, Tableau, Microsoft Excel, Data Integration & Orchestration : Azure Data Factory (ADF), ETL / ELT Pipelines, Data Migration, Real-Time Data Processing, Data Science Applications : Data Mining, Statistical Analysis, Feature Engineering, Sentiment Analysis, Cloud Platforms : AWS, Azure (ADF, Data Lake, Synapse Analytics), Business Acumen, Storytelling, Collaboration, Leadership, Extra Skills : JavaScript, Agile Development, Leadership, mentorship, career development.

Education

Michigan Technological University

Aug 2022 - Apr 2024

Master of Science Data Science

Certificates

AI-900 : Microsoft Azure AI Fundamentals

Azure Data Lake Storage Gen2

Google Advanced Data Analytics Capstone

AWS Cloud Quest : Cloud Practitioner

Publications

Husky Voice - An Innovative Voice Assistant

MBAA International Conference, 2023

