

ROHAN DODIYA

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EDUCATION

NEW JERSEY INSTITUTE OF TECHNOLOGY

Masters in Data Science

NEWARK, NJ

09/2023 – 05/2025

GUJARAT TECHNOLOGICAL UNIVERSITY

Bachelors in Computer Engineering

GUJARAT, INDIA

07/2019 – 05/2023

WORK EXPERIENCE

DATA SCIENTIST INTERN

DHRIMA SOLUTIONS LLP

Jan 2023-May 2023

- Developed predictive maintenance algorithms using NLP and achieved up to 90% accuracy by leveraging various machine learning techniques.
- Created Educational dashboards and data visualizations using Tableau and Python to translate complex data insights into actionable intelligence.
- Built scalable ETL workflows to clean and integrate structured/unstructured datasets from multiple sources supporting seamless data modeling.
- Collaborated with cross-functional teams to identify KPIs and reporting needs.
- Utilized SQL queries in MySQL and PostgreSQL databases to ensure the integrity and accessibility of data, facilitating analysis and informed decision making process.

PROJECTS

SENTIMENT EXTRACTION MODEL

- Developed a user-friendly web interface using Flask, enabling seamless interaction with the sentiment extraction tool and providing real-time analysis from customer reviews.
- Utilized selenium for dynamic web scrapping, automating data extraction from online source to feed the model.
- Refined and prepared textual data for sentiment analysis by implementing advanced preprocessing techniques, ensuring high-quality input for analysis.
- Achieved an accuracy of 85% by training the model and further developed measures for recall, precision, and F1 score to conduct a thorough analysis.

FOOD HUB NYC RESTAURANT DATA ANALYSIS

- Conducted exploratory data analysis (EDA) on a dataset of 1,899 customer orders, identifying patterns in ordering behaviours, which improved operational insights by 20%.
- Created histograms, scatter plots, and time series analyses to identify trends in order costs, preparation times, and delivery times, enabling 95% accuracy in insights derived.
- Analysed correlations among variables such as preparation and delivery times, uncovering weak positive relationships (correlation coefficient ~0.04) to refine process workflows.
- Built a multiple linear regression model with an adjusted R-squared of 0.87 to predict delivery times

ADDITIONAL

Technical Skills: Python, R, SQL, Data Analytics, Data Visualization, Machine Learning, NLP, web scrapping

Tools: Git/GitHub, VS Code, Excel, Jupyter Notebook, PowerBI, Selenium

Certifications: Advanced Excel Functions, SQL Intermediate (Hackerrank)