

Rohit Rai

Adm. No. I20MA051 📞 8887922406

✉️ rohitrai1342000@gmail.com 📧 rohitrai888 🌐 RohitRai888



Education

Sardar Vallabhbhai National Institute Of Technology, Surat

Int. MSc Mathematics (GPA: 7.33 / 10.00)

2020-2025

Surat, Gujarat

- **Relevant Coursework:** Statistics, Probability, Data Analysis, Machine Learning

Internship

Uptricks Services Pvt. Ltd.

Machine Learning Intern.

June 2023 - July 2023

Pune-411038, Maharashtra

- Conducted detailed exploratory data analysis (EDA) on different datasets, including customer analytics, delivery forecasts, and retail transaction data. Derived useful insights from the analysis, supporting informed decision-making and strategic actions.
- Used various machine learning techniques in different areas, such as predicting call drops in telecommunications, segmenting customers, forecasting stock prices with LSTM models, and finding associations in retail data.
- Reviewed and examined over 6 datasets, such as airline passenger, mall customer, market basket, placement, travel insurance, conducting detailed exploratory data analysis (EDA).

Projects

YouTube Case Study | Python, Jupyter, Numpy, Pandas, Matplotlib,

- Performed detailed sentiment analysis on YouTube comments using TextBlob, gaining insights on user sentiment and enhancing content strategies based on user feedback.
- Performed emoji analysis using Python's emoji library, identifying the most frequently used emojis, which provided deeper understanding of user emotions and increased engagement metrics by 25%.
- Developed and implemented a method to generate word clouds for positive and negative comments, enabling content creators to identify common discussion topics and enhance video relevance.

IPL Data Analysis | Python, Jupyter, Numpy, Pandas, Matplotlib, Seaborn

- Conducted a comprehensive analysis of Indian Premier League (IPL) data from 2008 to 2020, uncovering trends and patterns in match outcomes, team performances, and player contributions.
- Analyzed venue and city impact on match results, identifying home-ground advantages and specific location trends, which provided insights into strategic decisions for future matches.
- Performed detailed player performance analysis, highlighting standout players and their impact on team success, assisting in identifying key contributors and potential areas for improvement.

Stock Price Analysis | Python, Jupyter, Numpy, Pandas, Matplotlib, Seaborn, Plotly Express

- Comprehensive Trend and Correlation Analysis- Conducted in-depth analysis of historical stock prices for major tech companies (Apple, Amazon, Google, and Microsoft) using moving averages, resampling techniques, and percentage change calculations to uncover trends, patterns, and interdependencies, aiding in strategic investment decisions.
- Interactive Data Visualization- Used pairwise plots, correlation matrices, heatmaps, and interactive visualizations to clearly and dynamically represent stock performance and market behaviors, supporting data-driven decisions based on observations.

Technical Skills

Coursework: Data Analysis, Machine Learning

Languages: Python, Pandas, Numpy, SQL, MongoDB

Tools: Jupyter, Colab, Matplotlib, Seaborn, Plotly and Dash, Streamlit, Excel, PowerBI

Social Engagements

Organisor: Master Cricket League 2K24.

Sports-Engagements: Chess , Cricket, Gymnasium

Coordinator: Of Training And Placement Cell, NIT Surat