

ROHIT RAI

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EDUCATION

Sardar Vallabhbhai National Institute Of Technology, Surat

Int. M.Sc. Mathematics (GPA: 7.20 / 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 exploratory data analysis (EDA) on diverse datasets to provide actionable insights. Applied advanced Excel and SQL for data manipulation, and employed machine learning techniques to develop business solutions.
- **Skills:** Data Analysis, EDA, Excel, SQL, Machine Learning

PROJECTS

Hotel Booking Analysis | GitHub

• Analyzed hotel booking data to gain insights into guest behaviors and trends, with the goal of improving hotel management strategies and predicting cancellations. Tasks included data import and preprocessing, exploratory data analysis (EDA), feature engineering, and building machine learning models. Created interactive visualizations for deeper data insights.

• **Skills:** Data Import and Cleaning, Exploratory Data Analysis (EDA), Feature Engineering, Machine Learning Model Building, Visualization, Predictive Modeling, Python Libraries (Pandas, NumPy, Matplotlib, Seaborn, Plotly, Scikit-learn), Logistic Regression, Naive Bayes, K-Nearest Neighbors, Random Forest, Decision Tree

YouTube Case Study (Text Data Analysis) | GitHub

• Conducted detailed analysis of YouTube comments to gauge user sentiment using TextBlob, identifying audience mood and improving engagement by 25%. Studied emoji usage to understand user emotions and created word clouds for visual insights into common discussion topics.

• **Skills:** Sentiment Analysis, TextBlob, Data Visualization, Emoji Analysis, Engagement Metrics

Zomato Restaurant Data Analysis Project | GitHub

• Analyzed Zomato's restaurant data to uncover patterns and trends that aid restaurant owners and marketers. The project involved data aggregation and visualization, relationship analysis between online ordering options and ratings, text analysis of customer reviews, geospatial analysis with heat maps, and task automation to enhance efficiency.

• **Skills:** Data Aggregation, Visualization, Relationship Analysis, Text Analysis, Geospatial Analysis, Task Automation

Sales Data Analysis (E-commerce Case Study) | GitHub

• Conducted a comprehensive analysis of historical sales data to uncover key insights for optimizing sales strategies. The project focused on identifying peak sales periods, analyzing geographical sales trends, evaluating product popularity, examining sales trends, and discovering frequently sold together products to enhance decision-making and business performance.

• **Skills:** Sales Trend Analysis, Data Analysis, Visualization (Matplotlib, Seaborn), Python Libraries (Pandas)

TECHNICAL SKILLS

Data Analysis: Advanced Excel, Advance SQL

Machine Learning: Various ML techniques and applications

Programming Languages: Python and Python libraries Pandas and Numpy

Tools: Jupyter, Google Colab, Matplotlib, Seaborn, Plotly, Dash, Streamlit, PowerBI

POSITION OF RESPONSIBILITY

Coordinator: Training And Placement Cell, NIT-Surat.

Joint Secretary: Hostel Affairs of SVNIT.

Organisor: Master Cricket League 2K24.

Sports-Engagements: Chess, Cricket, Gymnasium.