

RIYA CHAVAN

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Objective

Seeking a Data Analyst role to leverage my expertise in SQL, Python, advanced Excel, and data visualization tools like Power BI and Tableau. Skilled in statistical analysis, machine learning, and data warehousing (DWD), with hands-on experience in Pandas, NumPy, and Matplotlib. Passionate about transforming complex data into actionable insights to drive business growth and decision-making.

Skills

Programming Languages: Python, SQL, Object-Oriented Programming, DAX

Data Visualization: Power BI, Tableau, Advance Excel, Matplotlib, Seaborn

Databases: MySQL

Developer Tools: Jupyter Notebook, VS Code, MySQL Workbench

Libraries: Pandas, NumPy, Seaborn, Scipy, Statsmodels , scikit-learn

Statistics & Analytics: Hypothesis Testing

Machine Learning: Regression, Classification

Soft Skills: Critical Thinking, Problem-Solving, Data Storytelling, Communication, Time Management, Adaptability, Decision-Making.

Projects

Road Accident Analysis | Power BI, Power Query [Link](#)

Analyzed road accident data on weather, road conditions, and casualties, creating interactive dashboards to highlight trends and hotspots. Key findings include a 29.8% drop in serious casualties, 54.8% in fatalities, and 24% fewer accidents, aiding road safety improvements.

Bank Market Campaign Success Prediction | Machine Learning [Link](#)

Built a machine learning model to predict bank marketing success, optimizing Random Forest for accuracy. Applied data preprocessing, feature engineering, and model tuning with GridSearchCV. Evaluated performance using accuracy, confusion matrices, and classification reports.

Sales Dashboard | Advance Excel [Link](#)

Developed an interactive Power BI dashboard to analyze multi-year (2015–2017) sales performance, featuring advanced visualizations like bar charts, gauges, and trend lines. Highlighted key metrics, including year-over-year growth (42%, 94%, 165%) and sales distribution across categories. Enabled stakeholders to drill down into sales data for informed decision-making and strategic planning.

Air Pollution Dashboard | Tableau [Link](#)

Developed an interactive Tableau dashboard to analyze global air pollution trends, integrating bar charts, pie charts, scatter plots, and heat maps for AQI insights. Implemented filters for AQI categories and pollutants, enabling dynamic exploration. Designed a world map visualization to highlight pollution levels and used statistical analysis to assess the impact of pollutants like NO₂.

Education

VPS College of Engineering

Bachelor's of Engineering- Computer Engineering

Lonavala, India

Aug 2022 – Jun 2025

DY. Patil College of Engineering

Diploma in Computer Engineering

Ambi, India

Aug 2020 – Jul 2022

Course

Master in Data Science & Analytics with Artificial Intelligence

IT Vedant Education Pvt. Ltd

Pune – June 2024

Coursework: Machine Learning, Python, SQL, Advance Excel, Power BI, Tableau

Certificates and Achievements

SQL For Data Science, Advance Excel , Microsoft Power BI , Python For Data Science , DWD , Tableau , Analysis With Python, Machine Learning ,