Rudresh Chovatiya

Data Scientist & Data Researcher

📍 Surat , Gujarat   ✉ rudresh.chovatiya@gmail.com   📞 +91 7016236850   ⬤ GitHub

PROFILE INFO

Curious by nature and analytical by training, My journey spans managing teams, supporting customers, and streamlining processes—each role sharpening my problem-solving, communication, and pattern-recognition skills. Now, I channel that experience into decoding data with Python, SQL, and visualization tools like Power BI. Whether forecasting trends or building models, I thrive on turning complexity into clarity. I'm here to learn, build, and make data work smarter for real-world impact.

EDUCATION

Certification Course of Data Science and AI/ML Developement
Red & White Multimedia Education
2024 - Present

Bachelor of Science in Physics
Sir. P.T Sarvajanik College of Science (V.N.S.G.U)
2018

SKILLS

Languages:-
C, C++ and Python for Data Science

Database:-
MySQL

Data Analysis Tools & Libraries:-
Excel, NumPy, Pandas, PowerBI

Machine Learning:-
Supervised Learning Algorithms
Support Vector Regression (SVR),
Decision Tree Regression,
Random Forest Regression,
K-Nearest Neighbors Regression (KNN),
Logistic Regression etc.

Deep Learning:-
Computer Vision (OpenCV)
Neural networks
(ANN, CNN, RNN)

PROJECT

Project Name: Taxi fare Prediction Web App 🔗

Libraries: pandas, numpy, seaborn, matplotlib, scikit-learn (StandardScaler, PowerTransformer, model_selection, ensemble, metrics), IPython.display , datetime, joblib, pickle, os.

AIM : To perform exploratory data analysis (EDA), feature engineering, and build ensemble regression models (Random Forest, Gradient Boosting, Extra Trees, and Stacking) to predict taxi trip total amounts using the NYC Green Taxi dataset. The workflow includes data cleaning, visualization, encoding, outlier removal, scaling, feature selection, model training, evaluation, and model export for deployment.

Project Name: Credit Card Exploratory Data Analysis 🔗

Libraries: io, openpyxl, numpy, pandas, matplotlib.pyplot, seaborn, plotly.express, matplotlib, plotly.offline, ipywidgets, IPython.core.interactiveshell, plotly.io

AIM : The aim is to uncover insights about customer spending and repayment patterns, segment behavior, and relationships between different variables in the credit card data.

Project Name: Traffic Data Exploratory Data Analysis 🔗

Libraries: numpy, pandas, seaborn, matplotlib.pyplot, plotly.express, ydata_profiling ProfileReport

AIM : The aim is to analyze and visualize traffic data to identify patterns, peak hours, congestion trends, and provide insights for traffic optimization.

Project Name: Madhav E-Commarce Dashboard 🔗

Libraries: Excel Power Query, Power BI.

AIM : To enhance Madhav Ecommerce's profitability and operational efficiency by addressing regional sales disparities, diversifying product offerings, optimizing payment methods, and improving seasonal planning through data-driven strategies.

Project Name: U.S. Airline Delays Dashboard 🔗

Libraries: Excel Power Query, Power BI.

AIM : To analyze flight delay patterns across U.S. airlines and airports, identify root causes of cancellations and delays, and propose data-driven operational and scheduling improvements to enhance airline efficiency and passenger experience

Project certificate

Microsoft Excel (2024)

Data Analysis using Microsoft Excel (2024)

Business Analysis & Process Management (2024)

SOFT SKILLS

Analytical Thinking

Problem Solving

Communication

Leadership

Adaptability

Python Automation

Languages

- Gujarati
- Hindi
- English

work experience

2023 – PRESENT

HI-TECH DIGITAL SOLUTIONS LLP

Senior Customer support Representative

- Mentored junior team members and collaborated cross-functionally, fostering data-informed decision-making and enhancing support efficiency through process refinement and performance metrics.

2022 – 2023

Customer support Representative

- Engaged with diverse customer queries, applying structured problem-solving and clear communication to resolve issues—skills directly applicable to interpreting and presenting data insights.

2019 – 2022

Senior Process Associate

- Demonstrated ability to interpret and work with diverse datasets—both internal and external—to derive meaningful trends, correlations, and business-relevant conclusions.

2017-2019

ARPAN EDUCATION HUB

Manager

- Managed team workflows and resource allocation to support data-driven projects, showcasing strong problem-solving and logical thinking.
- Facilitated stakeholder meetings and cross-functional communication, demonstrating effective interpersonal and collaboration skills.
- Reference: - Mr. Nirbhay Khokhar (Owner)
  (+91 90998 24458)