

Chaudhari Rahul *Data Science*

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PROFILE

I am an Electronics and Communication Engineering graduate passionate about Data Science, Machine Learning & Artificial Intelligence.

PROJECTS

Diabetes Prediction using Machine Learning, Tools: Python, Machine Learning, Pipeline 📄

- Built an **end-to-end ML pipeline** for predicting diabetes using **Logistic Regression and Random Forest**, including data cleaning, feature engineering, and scaling.
- Achieved **high accuracy** through **hyperparameter tuning** and **model evaluation** (ROC-AUC, Confusion Matrix).
- Deployed the trained model via **Flask app** with version control and modular code for future automation.

Email Spam Detection with NLP, Tools: Python, NLP, Machine Learning 📄

- Built a model to classify emails as spam or non-spam using **TF-IDF** features and **Naive Bayes** algorithm.
- Performed **text preprocessing** (tokenization, stopwords removal, stemming) to improve feature quality.
- Achieved **98% accuracy** after applying **hyperparameter tuning** and model optimization.

Netflix Stock Price Prediction using Time Series & ML, Tools: Python, Time Series, Machine Learning 📄

- Created a predictive model using historical stock data (Open, High, Low, Close, Volume) to forecast future Netflix stock prices.
- Engineered time-series features, handled stationarity (e.g. differencing or transformations), and compared multiple algorithms (e.g. ARIMA, LSTM, or regression models).
- Tuned hyperparameters, evaluated with metrics (e.g. RMSE, MAE, R^2), and prepared the pipeline for possible deployment.

EXPERIENCE + TRAININGS

FingerTips, Data Science Pro Course

Completed practical training in **Python, EDA, Feature Engineering, Feature Selection, Preprocessing, Data Visualization, SQL & ML algorithms** using industry-grade dataset.

10/2024 – 04/2025

Ahmedabad

Itsoul Infotech, Web Development Internship

Designed and implemented a **MySQL database** for a dynamic Hero Bike Showroom website; wrote **complex SQL queries**, managed CRUD operations, and optimized data handling for performance and scalability.

01/2024 – 04/2024

Bardoli

YBI Foundation, Data Analysis

Executed **EDA on a real-world dataset** using Python, **boosting data quality by 30%** and **producing clear visual summaries**.

07/2023 – 08/2023

Remote

SKILLS

Python, SQL, Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, Machine Learning, Deep Learning, NLP, EDA, Statistics, Feature Engineering, Docker, Kubernetes, MLflow, CI/CD, Cloud (AWS/GCP), Power BI, Git

EDUCATION

SN Patel Institute of Technology & Research Centre,

Electronics and Communication Engineering
CGPA-7.26

2020 – 2024

Umrakha

Shree Vasishtha Vidhyalaya, 12 Class

2019 – 2020

Vav

CERTIFICATES

Data science Pro Program — FingerTips, Apr 2025

Data Analysis — YBI Foundation, Aug 2023

Python with DSA — YBI Foundation, Aug 2023

LANGUAGES

- English

- Hindi

- Gujarati

INTERESTS

Making Music | Continuous learning and upskilling