RUPIN SHARMA

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Professional Summary

Aspiring Data Scientist with a strong foundation in Python, SQL, and machine learning. Passionate about leveraging AI to solve real-world problems. Hands-on experience in predictive modeling, data analysis, and feature engineering. Eager to apply analytical skills to business challenges in a data-driven organization.

Education

Boston Institute of Analytics, New Delhi, India   Feb 2025
Master Diploma in Data Science & AI
Indira Gandhi National Open University (IGNOU), New Delhi, India   Jun 2024
Bachelor of Computer Applications (66.1%)
NSIC Technical Services Centre, New Delhi, India   Oct 2022
Advanced Diploma in Software Technology (Grade: B1)
DAV Public School, Kailash Hills, New Delhi, India   Apr 2020
12th Standard (71.2%)

Projects

1. Fraud Detection in Financial Transactions

Developed a machine learning model to detect fraudulent transactions, improving security in financial systems.

- **Dataset:** Processed 100,000+ transactions (Fraud_Analysis_Dataset.csv)
- **Tech Stack:** Python, Pandas, NumPy, Scikit-learn, SMOTE, XGBoost
- **Key Achievements:** Achieved 95% accuracy; optimized recall to reduce false negatives
- **Model Evaluation:** Confusion matrix, ROC-AUC, Precision-Recall curves
- **GitHub:** github.com/rupin01/fraud

2. Telecom Customer Churn Prediction

Built a predictive model to identify customers likely to leave a telecom provider.

- **Dataset:** 7,043 customer records from a telecom company
- **Tech Stack:** Python, Pandas, Seaborn, Scikit-learn, XGBoost, AdaBoost
- **EDA:** Visualized customer churn trends based on gender, seniority, and subscription types
- **Key Achievements:** Improved churn prediction accuracy to 88% using hyperparameter tuning
- **GitHub:** github.com/rupin01/Telco-Customer-Churn

Technical Skills

- **Programming Languages:** Python, SQL, HTML/CSS
- **Machine Learning:** Scikit-learn, XGBoost, Random Forest, SVM, KNN, AdaBoost
- **Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Power BI, Tableau
- **Database Management:** SQL
- **Others:** Data Structures & Algorithms, OOPS, Operating Systems, Computer Networks

Certifications

- Python Certification – Hackerrank
- SQL Certification – Hackerrank
- Introduction to Data Science – Cisco
- Linux Administration (Online Orientation Program) – NSIC

Soft Skills

- Strong problem-solving and analytical thinking
- Excellent communication and teamwork skills
- Experience working on real-world datasets and business problems
- Adaptable to new technologies and fast learner

Extra Curricular

Tata Data Visualisation: Empowering Business with Effective Insights Job Simulation on Forage – April 2025

- Completed a simulation involving creating data visualizations for Tata Consultancy Services

- Prepared questions for a meeting with client senior leadership

- Created visuals for data analysis to help executives with effective decision making