Reetesh Kumar

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Career Summary

Self-motivated and high-achieving student with a strong academic track record, consistently recognized as a top performer at Workers Model School, Hyderabad. Currently engaged in self-directed studies in Artificial Intelligence and Data Science, gaining practical experience through hands-on projects and reputable online platforms. Passionate about leveraging data-driven solutions to solve real-world problems, with a keen interest in modern technologies and a commitment to continuous learning and innovation.

Education

Virtual University of Pakistan – BS in Computer Science (Ongoing, 2024 – 2028)
SMIT – AI & Data Science (In Progress- Weekend classes)

Skills

Programming & Core
- Python, R, SQL, C++ (for algorithms)
- Data Structures & Algorithms, Object-Oriented Programming (OOP)

Data Handling & Analysis
- NumPy, Pandas, Scikit-learn
- Data Cleaning, Preprocessing, Feature Engineering
- Exploratory Data Analysis (EDA)
- Data Visualization: Matplotlib, Seaborn

Machine Learning & AI
- Supervised Learning (Regression, Classification)
- Unsupervised Learning (Clustering, Dimensionality Reduction)
- Deep Learning (Neural Networks, CNN, RNN, Transformers) – TensorFlow / PyTorch

Other Tools
- Git/GitHub
- Jupyter Notebook, VS Code

Projects

Data Analysis & Visualization

- COVID-19 Data Tracker & Predictor using Pandas + Matplotlib
- Developed a COVID-19 data analysis tool using Pandas and Matplotlib to track global trends and visualize key metrics. Performed basic predictive analysis to forecast case patterns based on historical data
- Stock Market Analysis (Time Series Forecasting)

Conducted time series analysis on stock market data using **Pandas** and **Matplotlib** to identify trends and forecast future stock prices. Applied data preprocessing and visualization techniques for actionable insights.

Machine Learning

- Customer Churn Prediction (Classification)

Developed a classification model to predict customer churn using historical data. Applied feature engineering and evaluated various algorithms to improve prediction accuracy and support business retention strategies.

- Credit Card Fraud Detection (Imbalanced Dataset Handling)

Built a machine learning model to detect fraudulent transactions using an imbalanced dataset. Applied techniques like undersampling, oversampling, and SMOTE to improve model performance and accuracy.

Python Projects

- Jarvis (Virtual Assistant)
- Password Generator
- Text Speaker
- Secret Language Converter-