Raj Samrendra Kumar

Mumbai, India

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Education

Parul Institute Of Engineering and Technology **2023 – 2027**
Bachelors of Technology in Computer Science and Engineering *CGPA: 8.02/10*

- **Relevant Coursework:** Object-Oriented Programming, DBMS, Operating Systems, Data Structures, Computer Networks

Projects

Bangalore Zomato Restaurant Data Analysis & Power BI | Power BI | GitHub **2024**

- Collected the Bangalore restaurant dataset from Kaggle and performed in-depth data visualization using Power BI.
- Designed and implemented an 8-page interactive dashboard featuring charts and graphs for dish-wise sales, customer ratings, pricing trends, locations, cuisines, and customer reviews.
- Analyzed patterns to identify the most popular dishes and derive actionable insights for restaurant business strategies.

COVID-19 Data Analysis & Future Case Forecasting | Python, ML, Time-Series | GitHub **2025**

- Cleaned and transformed global COVID-19 data using median imputation, log-scaling, and MinMax normalization to stabilize skewed epidemiological variables.
- Trained and compared multiple ML models (Linear Regression, Random Forest, XGBoost), achieving near-perfect performance ($R^2 \approx 0.999$) and identifying influential predictors via feature importance.
- Developed ARIMA-based time-series forecasting and visualized global case trends using Matplotlib/Seaborn to project future outbreak patterns and extract actionable insights.

Financial Data Analysis & Stock Market Prediction | Python, ML, Data Visualization | GitHub **2025**

- Conducted advanced **EDA and visualization (Matplotlib/Seaborn)** to uncover market trends, correlations, and key feature contributions.
- Built a complete preprocessing pipeline for financial time-series data (RSI, MACD, EMA features) and trained a **Random Forest Classifier** to predict daily stock movement.
- Evaluated model performance using precision, recall, F1-score, accuracy, and confusion matrices, ensuring robustness and interpretability in stock trend prediction.

Technical Skills

Languages: Python, Java, C, SQL, HTML, CSS
Frameworks/Technologies: TensorFlow, Scikit-Learn, Microsoft Azure, SQL
Libraries: NumPy, Pandas, Matplotlib, Keras, OpenCV, Plotly, SciPy
Data Visualization Tools: Power BI, Tableau

Certifications

- **Microsoft Certified: Azure Data Scientist Associate (DP-100)** (View Certificate) **2024**
- **Microsoft Certified: Azure AI Engineer Associate (AI-102)** (View Certificate) **2025**
- **Microsoft Certified: Fabric Data Engineer Associate (DP-700)** (View Certificate) **2025**
- **Oracle Cloud Infrastructure Data Science Professional** (View Certificate) **2025**
- **Oracle Cloud Infrastructure Generative AI Professional** (View Certificate) **2025**