Raj Samrendra Kumar

Mumbai, India

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SUMMARY

Aspiring Data Scientist and Machine Learning enthusiast with hands-on experience in statistical modeling, data preprocessing, feature engineering, and predictive analytics. Proficient in Python, scikit-learn, TensorFlow, and cloud platforms like Azure and Oracle Cloud. Skilled in building and deploying ML pipelines, performing exploratory data analysis, and visualizing insights to support data-driven decision-making.

WORK EXPERIENCE

Data Science Intern   March 2024 - June 2024
Genz Educate Wing

- Built and deployed two machine learning models (Linear Regression and Logistic Regression) to predict outcomes using publicly available datasets from Kaggle.
- Performed data cleaning, exploratory data analysis (EDA), and feature engineering to improve model performance.
- Evaluated model accuracy using appropriate metrics and optimized hyperparameters to enhance prediction results.
- Documented insights and findings to assist in data-driven decision-making processes.
- Collaborated with the team to understand project requirements and deliver actionable results within deadlines.

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 | Deep Learning,ML Models,Neural Network | [GitHub](#)   2025

- Collected and cleaned global COVID-19 datasets, handling missing values and scaling features.
- Performed EDA to uncover trends, key mortality factors, and country-level clusters.
- Implemented ML models (Linear Regression, Random Forest, XGBoost) for case prediction.
- Designed and trained an LSTM network to capture temporal patterns and improve forecasting accuracy.
- Evaluated models with RMSE, R^2, and MAPE, visualizing results for clear insights.

Financial Data Analysis & Stock Market Prediction | Python Libraries, ML, Data Visualization | [GitHub](#)   **2025**

- Architected a comprehensive data preprocessing pipeline for financial time-series data, incorporating cleaning, normalization, and feature engineering to enhance predictive accuracy.
- Implemented and optimized a **Random Forest Classifier** for stock price movement prediction, mitigating overfitting through hyperparameter tuning and cross-validation.
- Assessed model performance with precision, recall, F1-score, and confusion matrix, ensuring robustness and interpretability in financial forecasting tasks.
- Conducted advanced **EDA and visualization (Matplotlib)** to identify market patterns, correlations, and feature importance, enabling data-driven trading insights.

EDUCATION

Parul Institute Of Engineering and Technology   **August 2023 – June 2027**
                                                                                CGPA: 8.02/10

Bachelors of Technology in the branch of Computer Science and Engineering

SKILLS

Programming Languages: Python, Java, C, HTML, CSS

Frameworks: TensorFlow Lite, Scikit-Learn, Flask, SQLAlchemy, SQLite

DevTools: Git, GitHub, VS Code, Jupyter Notebook, Google Colab, Postman, Docker

Libraries: NumPy, Pandas, Matplotlib, TensorFlow, Keras, Scikit-Learn, OpenCV (Computer Vision), Plotly, SciPy

ACHIEVEMENTS AND CERTIFICATIONS

Achieved the following certifications:

- **Microsoft Certified: Azure AI Fundamentals (AI-900)**   2024
  [View Certificate](#)

- **Microsoft Certified: Power Platform Fundamentals (PL-900)**   2024
  [View Certificate](#)

- **Microsoft Certified: Azure Data Scientist Associate (DP-100)**   2024
  [View Certificate](#)

- **Microsoft Certified: Azure AI Engineer Associate (AI-102)**   2025
  [View Certificate](#)

- **Microsoft Certified: Fabric Data Engineer Associate (DP-700)**   2025
  [View Certificate](#)

- **Oracle Cloud Infrastructure Data Science Professional**   2025
  [View Certificate](#)

- **Oracle Cloud Infrastructure Generative AI Professional**   2025
  [View Certificate](#)

Teaching Assistant – Parul Institute of Engineering and Technology
Professional Communication Skills, Academic Assistance

- Served as **Technical Assistant for English Speaking**, providing guidance, support, and practice sessions to enhance students' spoken English proficiency.