Rakesh Para

Aspiring Data Scientist

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Professional Summary

Aspiring data scientist with a strong foundation in data analysis, statistical modeling, and machine learning. Passionate about leveraging data-driven insights to solve complex problems and support strategic decision making. Seeking to contribute to innovative projects while continuously expanding my expertise in data science and visualization.

Education

GITAM (Deemed-to-be) University **Aug 2024 – Present**
Master of Science (Data Science) – ***7.54 CGPA*** *Hyderabad, India*

The Oxford College of Science affiliated to Bangalore University **Aug 2019 – Mar 2023**
Bachelor of Science (Computer Science, Statistics, Mathematics) – ***7.23 CGPA*** *Bangalore, India*

Experience

Automated Visual Inspection Using Deep Learning **May 2025 – Present**
Summer Intern – IIT Bombay

- **Roles & Responsibilities:**
- Collaborated with Prof. Indrajit Mukherjee on a machine learning-based visual inspection project focused on quality control in manufacturing using the MVTec AD dataset.
- Developed and evaluated deep learning models (CNNs) for anomaly detection, designed preprocessing pipelines for variable imaging conditions, and addressed class imbalance in multiclass classification..

Training and Certifications

Java Full Stack Development – Jspiders Training Institute, Hyderabad Mar 2023 – Dec 2023

Technical Skills

Python, Machine Learning, Data Visualization (Power BI), Deep Learning, Java, SQL, HTML, CSS, JavaScript, ReactJS

Projects

Storytelling Data Visualization on Exchange Rates **Project Link**

- Developed an interactive data visualization analyzing exchange rate trends from 1999 to 2020 using Pandas and NumPy for data processing.
- Applied time-series analysis and statistical methods to uncover key insights, visualizing currency fluctuations with Matplotlib and Seaborn.
- Focused on intuitive data storytelling to enhance user experience with interactive visualizations presenting complex financial data clearly.

Traffic Analysis on I-94 Interstate **Project Link**

- Performed exploratory data analysis on highway traffic volume near Minneapolis–St. Paul, focusing on time-based and weather-related patterns.
- Identified key factors influencing heavy traffic: rush hours, weekdays, seasonal changes, and weather conditions.
- Utilized Python (Pandas, Matplotlib) to analyze correlations, visualize trends, and present actionable insights for data-driven decision-making.

Leadership & Involvement

The Oxford College of Science **Jun 2020 – Sep 2022**
Student Council Member

- Addressed student concerns and represented them to administration, improving communication across departments.