**VINAY KUMAR REDDY KADAPANA**

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**Objective:** Detail-oriented and results-driven MSc Data Science candidate with strong expertise in data analysis, statistical modeling, and software development. Skilled in Python, SQL, data visualization, and machine learning, with a passion for transforming data into actionable insights. Eager to leverage analytical and technical skills in a data analyst or software development intern role within an innovative, forward-thinking organization

**Education**:

Teesside University, UK **Jan 2023 – Jan 2025**

MSC Data Science

**Experience:**

**Junior Software Intern,** **People Tech Group | Hyderabad, INDIA July 2022- Oct 2022**

* I specialize in the design and implementation of sophisticated gauges using CPP, QT/QML, XML, and SVG rendering technology.
* Successfully implemented gauge solutions, enhancing the user interface and overall functionality of automotive systems.
* Collaborated with functional teams like design and static code analysis to ensure seamless integration of gauges as per sketch client requirements.

**Teaching Assistant – Data Structures and Algorithms** (Assisted in instructing a class of 30+ students in core algorithm concepts, including sorting, searching, and dynamic programming.)

**Portfolio Projects**: **[GitHub Repository link](https://github.com/Vinaykumarreddykadapana)**

* **Analysis of yield drivers in crop production using machine learning and EDA in Python. Feb, Mar 2023**  
  In a recent crop project, I used Python, machine learning, and EDA to identify key yield drivers. Through feature engineering and model training, the project revealed patterns in agricultural data, offering insights into factors influencing crop yields. The predictive models provided valuable recommendations for optimizing agricultural practices and maximizing productivity based on identified drivers.
* **Supermarket sales analysis in Excel and SQL. June 2023**

In a recent supermarket sales analysis, I utilized Excel to organize and analyze data with functions like SUM and PivotTables to understand product performance and customer trends. This process transitioned into SQL queries for extracting and aggregating data from a relational database, allowing for more intricate analyses such as identifying top-selling products and customer segmentation based on purchasing behavior. The seamless integration of Excel and SQL provided a holistic view of the supermarket's sales dynamics, enabling data-driven decision-making for inventory management and marketing strategies.

* **Analysis of Life expectancy of diabetes people using machine learning and EDA in Python**. **Oct 2023**
* **Supplier analysis full insights visualization in Power BI. Dec 2023**

**Academic Working Knowledge:**

* Experience in data analysis and visualization and administering large databases using analytical tools.
* Worked on various data projects (Data cleaning and Model building).
* Strong numerical, interpretative, analytical, and diagnostic skills.
* Well-versed in product costing methods, concepts, and financial terms.

**Skills:**

 **Programming Languages**: Python, C, C++, Basics of Java

 **Cloud Platforms**: Basics of GCP, AWS

 **Data Analysis & Visualization:** Python (Pandas, Numpy, Matplotlib), SQL, Power BI, Excel

 **Natural Language Processing**: NLP

 **Database Management**: MY SQL

 **Machine Learning**: Scikit-learn, TensorFlow, Keras

 **Tools**: Excel, Jupyter, GitHub, Kubernetes, CPP, QT/QML, XML.

**Soft Skills:**

* Analytical Thinking
* Problem-solving
* Attention to Detail
* Communication Skills

**Certification:**

* IBM data analytics professional certification **Jan 2023**
* Data Analytics and Visualization at Accenture by Forage **Dec 2023**
* Databases and SQL for Data Science with Python by IBM **Mar 2023**
* Python for Data Science, AI & Development by IBM **April 2023**