Ramakrishna Mandadi

Hyderabad |mandadiramakrishna560@gmail.com| +91 7993133989
linkedin.com/in/mandadiramakrishna | github.com/Ramakrishna200

WORK EXPERIENCE

Olympic Data analysis using Azure Sep 2023– Dec 2023
Hyd|India

- Analyzed historical Olympic data using Azure cloud services to uncover insights into athlete performance trends, medal tallies, and factors influencing success.
- Leveraged Azure's scalable and cost-effective platform for data processing and analysis.
- Constructed efficient data pipelines using Azure Data Factory to streamline data ingestion, transformation, and loading.
- Specify the Azure storage service you used (e.g., Azure Data Lake Storage) and how it benefited your project (e.g., scalability, security).
- Explain how you processed the data using Azure Databricks or other relevant services. Discuss challenges faced and solutions implemented.
- Summarize the most significant insights you gained from the analysis.
- Explain how your project could be used to benefit stakeholders (e.g., athletes, coaches, Olympic organizations).

PROJECTS

Designed Music Player View in GitHub

- Designed and developed a responsive music player using HTML, CSS, and JavaScript, featuring intuitive playback controls, visual progress bar, and volume slider.
- Optimized code for efficient performance. Demonstrates proficiency in web development languages and ability to create user-friendly interactive interfaces.
- Briefly mention any UI design principles you applied to create a user-friendly and aesthetically pleasing interface.
- Contributed to the optimization of web performance and usability through continuous testing and refinement.

Formula-1 racing using Azure View in GitHub

- Identify relevant Formula E data sources, including official websites, APIs, historical race data, and other available repositories.
- Use tools like Azure Data Factory (ADF) to automate data extraction and ingestion from diverse sources.

- Choose Azure Data Lake Storage (ADLS) for scalable and efficient storage of large Formula E datasets.
- Consider partitioning data in ADLS based on race season, team, or other relevant criteria for optimized querying.
- Use Azure Databricks for data ingestion, cleaning, and transformation using Spark SQL.
- Employ Spark DataFrames to structure and manipulate the data efficiently.
- Perform cleaning tasks like handling missing values, formatting inconsistencies, and data type conversions.
- Apply necessary filtering and aggregations to prepare the data for analysis.
- Designed and implemented a Formula E racing data analytics pipeline using Azure ADF, ADLS, and Databricks.

CERTIFICATIONS

Basics in Python -Hacker Rank View credentials

Problem Solving- Hacker Rank View credentials

Pandas-Kaggle View credentials

EDUCATION

Bachelor of Technology (B. Tech.) July 2019 - May 2023
Electronics & communication engineering, CGPA:7.87
DVR & Dr. Hs Mic College of Technology, Kanchikacherla.

SKILLS

C | Python | Html| CSS | JavaScript | GitHub | SQL | MSSQL Server| NumPy | Pandas | Matplotlib| Azure | ADLS | PySpark | ADF | Azure Databriks |VS Editor|Jupiter Notebook| Communication | Leadership | Time Management | Adaptability | Problem Solving | Teamwork | Creativity.