AKHIL PULIPATI

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Education

Master's at University of Dayton in Computer Science| May 2024 (GPA: 3.80/4)

Work Experience

Data Analyst Intern – *RGP, Irvine, CA*   May 2023 – Dec 2023

- Collected, cleaned, and analyzed large datasets from multiple sources to support business decisions, resulting in a 20% improvement in data-driven decision-making.
- Developed and maintained interactive dashboards using Tableau and Power BI, enhancing data visibility and enabling a 25% increase in cross-departmental decision-making efficiency.
- Applied Python libraries (e.g., Pandas, NumPy) for statistical analysis, improving the accuracy of forecasts by 15%.
- Executed ETL processes, reducing processing time by 30% and improving data accuracy, leading to more reliable insights.
- Collaborated with cross-functional teams to gather requirements, translating them into technical specifications that boosted operational efficiency by 20%.
- Automated data validation and cleansing processes, reducing manual errors by 20% and ensuring high-quality data for analysis.
- Leveraged advanced Excel functions for data analysis and reporting, which improved decision-making accuracy by 15%.

Associate Software Engineer - *UST Global Pvt Ltd, Hyderabad, India*   Oct 2021 - Jul 2022

- Developed and optimized data pipelines using Hadoop, Sqoop, Hive, Flume, Spark SQL, and Python, leading to a 20% improvement in data processing efficiency.
- Leveraged Snowflake cloud computing for efficient data storage and retrieval, reducing retrieval times by 15% and improving data accessibility.
- Optimized SQL queries, resulting in a 15% reduction in query run times and enhancing overall database performance.
- Managed and maintained relational databases, ensuring data integrity and reducing inconsistencies by 30%.
- Created and maintained interactive dashboards using Tableau and Power BI, aiding in strategic decision-making and improving insights by 25%.
- Applied critical thinking to troubleshoot data inconsistencies, resulting in a 25% improvement in data reliability.
- Collaborated with sales and other teams to develop data-driven solutions, providing actionable insights that enhanced business intelligence by 20%.

Projects

Rock Paper Scissors Game   GitHub Repository

- Developed an interactive Rock Paper Scissors game using Tkinter, enhancing user engagement with dynamic visuals and intuitive gameplay mechanics.
- Implemented robust game logic and user input validation, ensuring seamless interaction and accurate outcome determination.
- Designed and positioned UI components for optimal user experience, incorporating error handling, image manipulation, and cross-platform compatibility.

SKILLS

Python, SQL, MySQL, HTML, Java, CSS, Flask, Snowflake, Hive, Hadoop, Spark SQL, GIT, AWS, Agile, Scala, ETL Frameworks, Apache Kafka, Tableau, Power BI, Azure, Docker, Excel (advanced), Statistical analysis, Data cleaning and preprocessing, Data mining and exploration, Machine learning (basic), Flume, Sqoop