KAVYA SAMANTHAPUDI

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SKILLS:

Programming Languages/Databases: Python, SQL.
Data Analysis and Tools: Pandas, NumPy, Tableau, Excel, Jupyter Notebooks, Power BI.
Data and Business Analytics: ETL Pipelines, Exploratory Data Analysis (EDA), Data Integration, Data Processing, Data Management.
Frameworks: Pandas, NumPy, ETL Frameworks, Apache Spark, Agile/Scrum Framework.
Cloud Infrastructure: AWS: S3, RDS, Redshift Athena, Data Pipeline.

PROFESSIONAL EXPERIENCE:

The Forage: Virtual Work Simulation: Data Analyst **January 2023 – March 2023**

- Analyzed employee turnover data to identify factors contributing to high attrition rates by developing a detailed report using Excel and SQL, uncovering trends that led to a 15% reduction in turnover through targeted interventions.
- Created a Tableau dashboard to visualize retention rates and key metrics, providing HR decision-makers with insights that improved retention strategies, resulting in a 10% increase in employee retention.
- Influenced data-driven recommendations to solve business challenges, enhancing decision-making processes and streamlining project outcomes.
- Developed proficiency in tools such as Tableau and SQL, reinforcing skills in data manipulation, visualization, and reporting, which increased data analysis efficiency by 25%.

Compusol: Junior Data Analyst **February 2022 – January 2023**

- Collaborated with cross-functional teams to gather and translate business requirements for a healthcare client's Patient Management System, boosting data processing efficiency by 20% and ensuring regulatory compliance.
- Optimized data workflows by implementing efficient data pipelines on AWS S3 and Redshift, reducing processing time for patient records by 25% and enhancing system performance.
- Developed and maintained interactive dashboards in AWS Quick Sight, providing healthcare administrators with real-time insights into patient intake, discharge rates, and resource allocation, improving decision-making speed by 30%.
- Coordinated the documentation of key processes, ensuring clear knowledge transfer and continuity across the team, which led to a 15% reduction in onboarding time for new team.

Synergina: Data Science Intern **June 2021 – December 2021**

- Defined and refined the scope of a critical healthcare project, collaborating with stakeholders to transform complex business needs into actionable technical specifications using JIRA and Confluence, improving project delivery timelines by 20%.
- Facilitated the development of ETL pipelines using Python and SQL to improve data validation processes, which enhanced accuracy of patient records by 30% and ensured compliance with healthcare regulations.
- Created reports and visualizations in Tableau to provide insights into patient flow and resource utilization, supporting the client's operational planning efforts and identifying opportunities for a 15% increase in resource efficiency.

EDUCATION

Pace University, New York, NYC **Expected Graduation Date: December 2024**
Master's in Computer Science (STEM), GPA: 3.5
Relevant Coursework: Python, Database Management Systems, Data Analysis, Data Mining, Data Processing

ACADEMIC & CURRENT PROJECTS

COVID-19 Vaccine Distribution Optimization: Designed a solution to optimize COVID-19 optimize vaccine distribution by simulating demographic and regional demand data. The project aimed to explore effective strategies for minimizing wastage and ensuring timely delivery in a controlled, hypothetical scenario. Tools Used: Python, SQL, Tableau

Customer Churn Analysis for a Subscription Service: Conducted a comprehensive analysis of simulated customer data to identify churn patterns and provide actionable strategies for retention. This project demonstrated the ability to apply analytical techniques to real world business challenges in a controlled academic environment. Tools Used: Excel, SQL, Power BI

Sales Performance Dashboard for Retail Chain: Created a proof of concept for a sales performance dashboard, utilizing hypothetical sales data to provide insights into store performance and regional trends. The project showcased the ability to build and visualize business metrics for strategic decision-making. Tools Used: Tableau, SQL, CSV

ETL Pipeline for Financial Reporting: Developed an ETL pipeline as a proof of concept, utilizing generated financial data to simulate the data standardization and reporting process. This initiative showcased the ability to handle intricate data engineering tasks within a structured, project-based environment. Tools Used: Apache Spark, Airflow, SQL, Power BI.

CERTIFICATIONS AND LEADERSHIP

Google Data Analyst Certified, JP Morgan & Co. Agile Certified, Tableau Certified, **Model United Nations Human Rights Organizer.**