SREESUSHMA VADLAMUDI

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TECHNICAL SKILLS

Technical Skills:	Python, R, Java, PowerBI, Tableau, ReactJS, HTML/CSS, JavaScript, Streamlit, Flask, Machine Learning (Regression, Forecasting, Prediction), BigQuery, Java, Hadoop, Hive, Spark, Apache Kafka, Airflow, Excel.
DBMS:	MS SQL server, Postgres, Oracle, MySQL, Cosmos DB
Cloud:	AWS(EC2, EMR,S3), Azure, GCP.
ETL Tools:	Azure Data Factory, Informatica Intelligent Cloud Services (IICS), Informatica Power Center(IPC), InformaticaData Quality(IDQ), SSIS

EDUCATION

UNIVERSITY OF NORTH TEXAS M.S in Computer Science   Expected May 2024
Relevant Coursework: Data Analysis, Natural Language Processing, Software Engineering; Analysis of Algorithms; Fundamentals of DB; Scientific Data visualization, Machine learning.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY B.E in Computer Science   Jul 2017- Jul 2021
Relevant Coursework: Database management System; Data Structures and Algorithms; Programming

WORK EXPERIENCE

Graduate Instructional Assistant | University of North Texas |Aug 2023 - Present
- Evaluated assignments, quizzes, and exams with precision.
- Conduct dynamic Q&A sessions to stimulate student participation and foster active learning in subjects including Big Data, Data Science, and Scientific Data Visualization (Tableau, Power BI, D3.js).
- Offered personalized one-on-one guidance during office hours, effectively assisting students in resolving complex problems.

Etl Developer |Cognizant Solutions |Aug 2021 - Aug 2022
- Streamlined data pipeline workflows using IICS, leading to a 32 minute decrease in the overall processing time.
- Executed cost-effective data integration strategies, saving 15% in infrastructure expenses.
- Implemented data profiling techniques using Informatica Data Quality, improving the data accuracy by 24%.
- Demonstrated expertise in data warehouse management, ensuring swift, accurate, and dependable data access.
- Successfully managed and presented a comprehensive project demonstration to the client.

ML Project Intern|Cognizant Solutions|Feb 2021 - July 2021
- Analyzed petabytes of data using MapReduce improving the data accuracy by 23%.
- Worked on Python, MLLib to build Machine Learning models for predictive analysis and achieved 93% accuracy in customer segmentation..
- Conducted quality data assessments that reduced anomalies by 54% and ensured data consistency across the organization.

Data Analyst|Midas Enterprises|April 2019 - Feb 2021
- Built data models and maps to generate meaningful insights from customer data, boosting successful sales efforts by 38%.
- Created clusters in Python to identify inactive clients likely to require future service, providing insight to marketing and sales team to increase renewals by 8%.
- Used SQL and Tablueau to redefine and track KPIs surrounding marketing initiatives

PROJECTS

Intelligent Question-Answering System for UNT Prospective students :
- Conceptualized and implemented an Intelligent Question-Answering System catering to UNT prospective students.
- Utilized web scraping and data processing techniques to extract FAQs from campus and department websites.
- Trained a DistilBERT model to elevate natural language understanding, delivering precise responses to varied queries and enhancing overall user experience.

Data Orchestration and Analytics- Enhancing Insights through Airflow:
- Orchestrated end-to-end data pipeline using Airflow, processing over 10,000 movie reviews daily with Apache Spark classification, resulting in a 30% reduction in processing time compared to previous methods.
- Automated data extraction from OLTP database, loading 1 million+ user purchase records into the data warehouse weekly, achieving a 50% increase in data ingestion speed and ensuring real-time analytics availability.
- Merge of movie review classifications and user purchases drives insights into sentiment-driven buying patterns, resulting in a 25% uptick in marketing precision.

CERTIFICATES AND ACHIEVEMENTS

- Google Certified: Data Analytics Specialization.
- Microsoft Certified: Azure Fundamentals.
- Golden Key International Honor Society.