Sharath Kesamsetty

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SUMMARY

Sharath, a Data Engineer with an MS in Business Analytics, specializes in data wrangling, ETL, data warehousing, business intelligence and analytics. Aspiring expertise in the areas of Informatica, SQL, Python, and visualization tools like Tableau and Power BI.

CORE SKILLS

Programming Languages: Python, SQL
Data Visualization: Power-BI, Tableau, Microsoft Excel , QuickSight,
Database Management: MySQL, Oracle, Microsoft SQL Server
Cloud Platforms: Microsoft Azure, Amazon Web Services, Snowflake
Monitoring Tools Dynatrace, Splunk
Packages: Pandas, NumPy, Matplotlib, Seaborn, PySpark
Other Skills: Statistics, Regression Analysis, Time-Series Modelling, Hypothesis Testing, GitHub, PyCharm, VS Code, Jupyter, ELT, Data Science, Agile & Waterfall SDLC, Business Analysis.

WORK EXPERIENCE

Centene Corporation, MO (Remote)| Data Engineer **November 2024 – Present**

- Designed and maintained SQL queries for data extraction, load and transform (ELT) across enterprise data sources and warehouses.
- Automated recurring data workflows using Python scripts, reducing manual intervention and ensuring timely data processing and Strong understanding.
- Proactively participated in building scalable ETL pipelines to automate data ingestion, loading and transformation using SQL and Python scripting improving data processing efficiency by 40%.
- Monitored job execution within Control-M, identifying and resolving issues such as job failures, delays, and resource contention to minimize system downtime.
- Implemented and managed Dynatrace for end-to-end application performance monitoring, providing visibility into system health, application behavior, and user experience across multiple environments

VISA, TX| Data Engineer **November 2023 – October 2024**

- Created intricate SQL queries to assist the ETL procedures used in financial data integration and reporting by extracting, aggregating, and transforming data.
- Tuned database performance by creating and maintaining indexes, optimizing joins, and improving query logic to handle large volumes of transactional data.
- Built and optimized ETL workflows to ingest data from on-premises systems and third-party APIs into Azure Data Lake Storage Gen2, reducing latency by 35%.
- Created data transformation workflows using Python, Pandas, and Apache Spark to clean, process, and aggregate data for analytical use cases and reporting.

Lewis University, IL | Data Engineer – Apprenticeship **January 2023 – October 2023**

- Worked in Data Warehousing Informatica ETL using Informatica Power Center, Teradata, SQL Server.
- Utilized SQL to perform advanced-level data extraction, data transformation, data management tasks providing on the go responses to some management questions by performing complex joins, queries.
- Collaborated with senior data engineers and faculty on data integration tasks, streamlining data collection from internal systems.
- Applied basic knowledge of data parsing and extraction techniques to format and interpret log data for analysis in Splunk. Used Dynatrace to monitor real-time metrics such as CPU usage, memory utilization, and network performance across various systems and application.
- Leveraged Tableau's built-in analytics features, such as calculated fields, trend lines, and forecasting, to uncover patterns and predict future business trends based on historical data.

PROJECTS

AM Integration | SQL, Python, Tableau, MS SQL Server

- Involved in creating ETL flow to pull the data from multiple sources and loaded into SQL database. Created Informatica, DIH, spark jobs to process and transform the data. Designed Tableau dashboards to visualize the data and created Control-M jobs to schedule the informatica, spark jobs.

CO2 EMISSIONS PREDICTION | SQL, Tableau, Python

- Developed a machine learning project to predict CO2 emissions by vehicles, Utilized data visualization techniques and SQL for data management and analysis. Implemented various machine learning algorithms, including linear regression, k-means clustering, Bayesian linear regression and logistic regression. Conducted correlation and feature selection to identify significant factors of CO2 and Achieved an R-squared value of 0.7218.

EDUCATION

Master of Science, Business Analytics (GPA: 3.7) | Lewis University, USA **May 2023**
Bachelor of Engineering | Jawaharlal Nehru Technological University, India. **May 2020**

CERTIFICATIONS

- SQL(Basic) – Hacker Rank
- SQL (Advanced) – Hacker Rank
- AWS CLOUD PRACTIONER