Swathi Lakshmi Bhaskaran

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Summary

Data Engineering professional with over 4 years of experience in optimizing data pipelines, quality, and performance. Proven expertise in gathering requirements and automating workflows using SQL, Python, and cloud platforms. Demonstrated success in training teams on data governance best practices and streamlining processes to enhance operational efficiency.

Skills

- **Programming And Scripting** : SQL, Python, Shell Scripting
- **Data Integration And Streaming**: ETL/ELT Methodologies, Data Processing & Integration, Real-Time Data Streaming
- **Analytics And Tools**: Data Modeling, Power BI, CI/CD Pipelines
- **Data Governance & Architecture**: FDP (Flipkart Data Platform),Azure Cloud

Education

Wayne State University, MS in Business Analytics   2023 – Jul 2025
- GPA: 3.7/4.0
- **Coursework:** Data Science and Analytics, Data Science and Leadership, Marketing Analytics

Experience

Data Engineer, Flipkart – Bangalore, India   Nov 2020 – Mar 2022
- Optimized cloud expenses by 25% while enabling real-time analytics and data streaming for over 5 product teams, contributing to effective data governance through enhanced data visibility.
- Designed a scalable medallion architecture using Delta Lake and PySpark within Azure Synapse to build robust data pipelines, leveraging Python scripting for efficient data integration.
- Improved pipeline reliability by reducing downtime by 40% during peak events through optimizing SQL queries and implementing incremental loads, showcasing strong data analysis and process management.
- Facilitated data governance best practices by building star-schema models (DAX) and training 50+ users on documentation standards, aligning stakeholder requirements with robust data management strategies.

Senior systems Engineer, Cognizant – Bangalore, India   Aug 2018 – Oct 2020
- Streamlined database management operations by reducing manual efforts by 30% through automation and process refinement, enhancing overall data governance.
- Implemented automated error monitoring and remediation using Ansible playbooks, contributing to improved system reliability and efficient data processing workflows.

Projects

EV RoadTrip Navigator: Optimizing EV Charging Stations for Seamless Journeys
- Developed an intuitive GUI using Python and HTML to predict user locations and display nearby EV charging stations. With integrated geo location APIs in real time.
- Tools Used: R, HTML, python

Performance Analytics and Retention Strategy Development for Employee Attrition and Retention
- Built a Power BI/Tableau dashboard analyzing attrition trends, enabling targeted training programs that boosted employee retention by 15%