Swathi Lakshmi Bhaskaran

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Professional Summary

Results-driven data engineer with 5+ years of experience in financial data analysis, modeling, and reporting. Proven expertise in Python, Azure, Power BI, and PySpark for developing financial forecasting models, variance analysis, and strategic planning dashboards. Strong background in cross-functional collaboration and translating complex financial data into actionable business insights.

Professional Experience

Flipkart

Senior Data Engineer   *2020–2022*

- Led development of batch and real-time data pipelines as part of the central platform team, processing millions of transaction records including sales, returns, cancellations, and daily website traffic data
- Built predictive models for revenue forecasting and inventory optimization, resulting in 15% improvement in forecast accuracy
- Designed and maintained comprehensive data quality services ensuring data sanity across all pipelines, implementing automated validation and monitoring systems
- Developed real-time financial dashboards using Power BI and Python, processing millions of transaction records for executive decision-making
- Created automated financial reporting systems using PySpark, reducing manual reporting time by 70%
- Implemented robust monitoring and alerting services for pipeline failures, SLA breaches, and data quality issues (e.g., unusual unit counts, data anomalies)
- Collaborated cross-functionally with finance, operations, and IT teams to implement data-driven solutions
- Performed statistical analysis on customer behavior data to support strategic financial planning initiatives

Cognizant

Senior Systems Engineer   *2018–2020*

- Designed and implemented financial data pipelines using Azure and Python, supporting budgeting and forecasting processes
- Developed cost avoidance and recovery analysis models, identifying $1.5M in potential savings
- Created financial trend analysis reports and utilization analytics for business unit performance evaluation
- Built automated audit support systems, streamlining financial compliance and reporting processes
- Assisted in financial assessment and SWOT analysis for strategic planning initiatives
- Supported field operations with operational/financial performance analysis and reporting

Technical Skills

- **Programming**: Python, SQL, PySpark, R
- **Cloud Platforms**: Microsoft Azure, AWS
- **BI Tools**: Power BI, Tableau, Excel Advanced
- **Data Engineering**: ETL Development, Batch Processing, Real-time Streaming, Data Quality Monitoring

Education

Wayne State University   **Detroit, MI**

Master of Science in Data Science & Analytics   *July 2025*

Amrita School of Engineering   **Coimbatore, India**

Bachelor of Technology in Computer Science   *2013-2017*