

SHANMATHY RAVISANKARAN

shanmathyravisankaran03@gmail.com

[in shanmathy03](https://www.linkedin.com/in/shanmathy03)

github.com/shanmathy-ravisankaran

OBJECTIVE

Application Development Analyst with 2+ years of experience at Accenture, seeking Data Analyst or Data Engineer roles focused on analytics, reporting, and data pipelines. Strong hands-on experience with SQL, Python, Power BI, and Azure-based data pipelines through professional work and academic projects.

SKILLS

Programming	Python (Pandas, PySpark), SQL (CTEs, Window Functions, Joins), Java, Scripting, Automation
Data Engineering	Azure Data Factory, Databricks (PySpark), Delta Lake, ETL/ELT Pipelines, Lakehouse Architecture.
Analytics & BI	Power BI (DAX, Power Query), KPI Dashboards, Data Visualization, Executive Reporting.
Databases	Azure SQL, MySQL, MongoDB, Snowflake, Query Optimization
Data Concepts	Data Modeling (Star Schema), Data Quality, Data Validation, Performance Tuning

EXPERIENCE

Accenture

Bangalore, India

Application Development Analyst

Feb 2022 - Dec 2023

- Analyzed telecom operational data using SQL and Python to monitor performance, incidents, and KPIs.
- Built and maintained Power BI dashboards (DAX, Power Query) to track latency, SLA compliance, and defect trends, improving reporting efficiency by 30%.
- Automated recurring data extraction, validation, and reporting workflows using Python and SQL, reducing manual effort by 14+ hours per week.
- Performed root-cause analysis on production issues by correlating logs, metrics, and historical data, resolving 95% of high-priority incidents within SLA.
- Collaborated with cross-functional teams (engineering, QA, operations) to define KPIs, validate data accuracy, and deliver stakeholder-ready insights.

PROJECTS

Formula 1 Data Engineering Pipeline

- Designed an end-to-end Azure data pipeline using Ergast API, Azure Data Factory, and Databricks (PySpark).
- Implemented Medallion Architecture (raw, transformed, presentation layers) with Delta Lake and incremental loads.
- Built Power BI dashboards analyzing driver, constructor, and race performance metrics.

Financial Forecasting & Revenue Optimization

Aug 2024 – Dec 2024

- Developed financial forecasting models using Azure Databricks (PySpark), achieving 95% prediction accuracy.
- Analyzed revenue and cost trends using Delta Lake tables and Spark SQL for actionable insights.
- Delivered interactive Power BI dashboards sourcing data from Azure Data Lake Storage Gen2.

Sales Data for Economic Analysis Project

Feb 2024 – May 2024

- Designed an automated ETL pipeline using Azure Data Factory, ingesting data from Azure Blob Storage into Azure SQL.
- Improved query performance using Data Flow transformations and stored procedures for SKU-level analysis.
- Configured ADF triggers and parameterized pipelines for scalable and reusable workflows.

EDUCATION

Master of Science (Information Technology and Management)

Jan 2024 - Dec 2025

The University of Texas at Dallas

GPA: 3.66

Bachelor of Engineering (Electronics and Instrumentation Engineering)

Aug 2017 - Aug 2021

Anna University, India

CERTIFICATIONS

• SnowPro Associate: Platform Certification	June 2025
• Microsoft Certified: Power BI Data Analyst Associate (Exam PL-300)	Sep 2024
• Microsoft Certified: Azure Administrator Associate (Exam AZ-104)	July 2022
• Microsoft Certified: Azure Fundamentals (AZ 900)	June 2022