

SHANMATHY RAVISANKARAN

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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

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|---------------------------|--|
| 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
GPA: 3.66

The University of Texas at Dallas

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