Vikram Kumar Matte

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Education

Southern Arkansas University, Magnolia, Arkansas. *Aug 2023 - May 2025*
Master's in Computer & Information Sciences, GPA 3.88

Technical Skills

- **Databases:** SQL Server, MySQL
- **Programming:** Python
- **Cloud Platform:** AWS (EC2, S3, IAM, VPC, RDS, ELB, ASG)
- **Data Warehousing & Modeling:** Snowflake, Medallion Architecture, ETL/ELT design, Dimensional Modeling, Star/Snowflake Schema
- **Data Analysis & Reporting:** Power BI (DAX, Power Query), Microsoft Excel (Pivot Tables, Charts)
- **Productivity Tools:** Microsoft Office Suite (Excel, Word, Outlook, Teams)

Experience

Test Engineer, Infosys Ltd. *Sep 2021 - Jul 2023*

- Tested web applications end-to-end, identified defects, and documented issues for resolution.
- Collaborated closely with developers and business analysts to troubleshoot and resolve bugs effectively.
- Created and maintained detailed test case documentation to ensure comprehensive test coverage.
- Ensured database consistency by performing data insertions and updates using SQL during testing phases.
- Generated test progress and defect trend reports using SQL and Excel to support QA metrics and status updates.

Projects

Sales and Market Trends Reporting | Power BI, DAX, SQL, Excel   **Live Dashboard**

- Designed and developed an end-to-end business intelligence dashboard using Power BI, integrating data from Excel/CSV and SQL databases.
- Created a data model and visualizations across multiple domains, optimizing performance by 5% using DAX Studio.
- Enabled data-driven decision-making by providing actionable insights, demonstrating potential for a 10% revenue increase and 20% expense reduction.

Data Warehousing & Analytics | SQL, Medallion Architecture, Excel

- Built the data warehouse using SQL Server, performing data ingestion, cleaning, and curation across all layers to ensure scalable and high-quality data processing.
- Designed and optimized ETL/ELT pipelines, applying transformations in Silver and aggregation in Gold layer to enable fast analytical queries.
- Developed complex SQL queries and database objects (views, stored procedures, indexes) to reduce average query run time by 40%, enhancing reporting performance.
- Integrated curated data with Excel reports, enabling dynamic and customized outputs for P&L, inventory, and customer segment analysis.
- Delivered actionable insights that led to a 15% improvement in operational efficiency and a clearer focus on high-performing markets.

Certifications

- AWS Certified Cloud Practitioner