

Praveen Manikyam

Data Analytics | IT Audit | SQL & Power BI

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SUMMARY

Technology professional with experience in software development and IT audit, supporting ITGC and risk-based control testing through data analytics. Skilled in full-population testing, data reconciliation, ETL validation, and dashboard reporting using SQL and BI tools.

TECHNICAL SKILLS

Data Analytics & Visualization: SQL, Power BI, Excel, ETL Validation, Data Reconciliation

Programming & Automation: Python (Pandas, NumPy), Apache Airflow, Java, Angular, JavaScript

Audit & Data Governance: ITGC, Full-population testing, Exception analysis, Data integrity validation

Tools & Collaboration: Git, Postman, Jira, Agile & Scrum Cloud & Platforms: AWS (S3, Lambda, API Gateway)

EXPERIENCE

Saan International – Cybersecurity Engineer, IT Audit & Data Analytics – New York City, NY

Jul 2025 – Present

- Supported risk-based IT audit engagements by performing full-population data testing and exception analysis across financial applications.
- Queried Oracle and PostgreSQL databases using SQL to perform data discovery, reconciliation, and anomaly detection across trading and reporting systems
- Executed data validation procedures on ETL pipelines and batch processes, reconciling source-to-target data and identifying control gaps
- Developed repeatable SQL queries and analytic routines to improve audit coverage and reduce manual testing efforts
- Used Excel (pivot tables, lookups, data validation) to perform supplemental testing and reconcile audit datasets
- Created Power BI visualizations to summarize testing results and communicate business risks to audit stakeholders
- Documented analytic logic, data sources, and validation steps to ensure transparency and reproducibility of audit procedures
- Collaborated with application owners and business teams to obtain datasets, validate results, and clarify exceptions.

Sonicsoft Inc. - Software Engineer - Nashville, TN

Aug 2024 - Jul 2025

- Supported migration of internal web application to AWS, ensuring proper access controls and secure API configurations.
- Participated in code reviews and deployment processes aligned with change management and version control standards.
- Built user-facing features using Angular, HTML, and CSS, collaborating with designers and PMs for clean UX.
- Used Git to manage feature branches, resolve merge conflicts, and maintain code consistency.
- Tested REST APIs and validated data flows across environments to support system reliability and control compliance.

EDUCATION

University of Texas at Arlington - Master of Science in Computer Science, Concentration: Data Science

May 2024 - GPA: 3.75

Malla Reddy College of Engineering and Technology - Bachelor of Science in Computer Science

June 2022 - GPA: 3.2