PARVATH REDDY
Quality Analyst

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Summary

Quality Analyst with expertise in data validation, process improvement, and quality assurance methodologies. Proficient in SQL, Python, and statistical analysis for identifying defects, ensuring data integrity, and implementing quality control measures to enhance operational efficiency and reduce error rates.

Skills

Quality Assurance: Test Case Design, Defect Management, Root Cause Analysis, Quality Control, Process Validation, Compliance Testing

Technical: SQL, Python, Excel, Statistical Analysis, Data Validation, Quality Metrics, MySQL, PostgreSQL, Power BI, Test Automation

Experience

Quality Analyst Intern   May 2025 – July 2025
Mileto Foods (Remote)   *Tools Used: Excel, SQL, Power BI, Statistical Analysis*

- **Performed comprehensive quality audits** across 5+ state operations, validating data integrity and process compliance, achieving **99.2% data accuracy** through systematic validation procedures.
- Implemented quality control frameworks with automated Excel validation templates, **reducing data entry errors by 40%** across 20+ distribution points.
- Enhanced quality monitoring by creating Power BI dashboards with quality KPIs, improving **defect detection rate by 25%** for proactive quality management.

Projects

Vendor Quality Assessment & Process Validation | *Quality Control, SQL, Statistical Analysis*   **April 2025**   [GitHub](#)

- **Conducted end-to-end quality assessment** of 1M+ transaction records using SQL and Python, identifying 95% of critical quality issues and preventing $418K in potential quality-related losses.
- Designed quality dashboard with 15+ quality metrics tracking defect rates and compliance scores, reducing quality analysis time to real-time monitoring.
- Delivered quality improvement recommendations achieving 15-20% reduction in defect rates through systematic root cause analysis and vendor standardization.

Banking Data Quality & Compliance Testing | *Data Validation, Quality Assurance, SQL*   **March 2025**   [GitHub](#)

- **Executed comprehensive data quality testing** across banking systems, validating 3,000 customer records and ensuring 99.5% accuracy in $43.8M loan portfolio through systematic quality checks.
- Developed quality assurance framework with validation rules and compliance metrics, implementing quality gates that improved data quality score by 95%.
- Established predictive quality monitoring analyzing 15-year patterns, enabling early detection of quality issues and preventive measures for data integrity.

Sales Data Quality & Integrity Validation | *Data Quality Testing, Process Validation, SQL*   **December 2024**   [GitHub](#)

- **Performed comprehensive data quality assessment** on 5+ sales datasets, implementing validation protocols achieving 98% data consistency across 5-year historical records.
- Created quality monitoring dashboard with automated anomaly detection, identifying data quality issues in real-time and improving data reliability by 35%.
- Delivered quality assurance recommendations for data governance, establishing standards that reduced data inconsistencies by 40% for executive reporting.

Education

Bachelor of Technology - Computer Science Engineering   Expected: 2026
Vellore Institute of Technology, Bhopal   *CGPA: 7.7/10.0*