

# Kallyan Maity

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## Professional Summary

ETL & Data Analytics Test Engineer with 3.4+ years of experience in ETL, Data Warehousing, and BI testing across on-premise and cloud platforms (Azure Databricks, PySpark). Skilled in SQL, Python automation frameworks, data quality validation, and backend testing. Proven record of improving data accuracy and reducing testing cycle time through automation. Strong collaborator with expertise in test strategy, execution, and defect management.

## Core Skills

- ETL & BI Testing, Data Warehousing, Regression, UAT, Integration Testing
- Big Data & Cloud: Azure Databricks, PySpark, ADLS, Delta Lake
- Databases: SQL Server, Oracle, Snowflake (exposure)
- Programming: Python, PySpark, Shell scripting (basic)
- ETL & Reporting Tools: SSIS, Informatica (exposure), SSRS, Power BI (exposure)
- Test Management: JIRA, HP ALM

## Professional Experience

### Tata Consultancy Services (TCS) | ETL Tester Mar 2022 – Present

- Conducted end-to-end ETL testing ensuring accurate extraction, transformation, and loading.
- Performed data quality checks: row counts, schema validation, duplicates, consistency validation.
- Designed & implemented Python + PySpark automation in Databricks reducing regression cycle time by 25%.
- Validated pipelines & ingestion workflows from ADLS to curated Delta layers.
- Prepared test cases, test plans, defect reports & summary reports ensuring clear communication.
- Improved data accuracy by 20% through advanced validation rules.

## Key Project

### Automated Data Validation Framework – Azure Databricks

- Developed reusable Python & PySpark scripts for ETL validation across raw & curated layers.
- Automated row count, schema checks, duplicate detection & data masking verification.
- Built regression framework enabling continuous validation & early defect detection.
- Reduced manual effort & improved efficiency in regression cycles.

## Education

Bachelor of Technology (B.Tech.) – NM Institute of Engineering and Technology | CGPA: 7.42