

Aparnaa Mariappan



[Email](#) / [Mob: +91-9840648187](#) / [LinkedIn](#) | [GitHub-Portfolio](#)

Summary

Results-driven technology professional with 16+ years of experience in software testing, quality assurance, and data validation across global financial services. Currently pursuing an MBA in Analytics & Data Science and reskilling in Python, Tableau, Power BI, and Machine Learning to transition into data-centric and AI-powered roles. Proven expertise in analyzing large datasets, collaborating with business and tech teams, and delivering actionable insights. Eager to leverage analytical mindset and domain knowledge to contribute as a Data Analyst, Data Engineer, or AI Analyst in forward-looking organizations.

Career Objective

To leverage my background in technology and quality assurance, along with newly acquired data analytics and machine learning skills, to contribute in a data-centric role that supports business decision-making and drives innovation through insights and automation.

Skills Snapshot

Languages & Tools

- Python (NumPy, Pandas, Matplotlib, scikit-learn)
- SQL (joins, aggregations, data cleaning)
- Power BI, Tableau, Excel (Pivot Tables, Macros)
- Jupyter Notebooks, Git, Confluence

Analytics & Machine Learning

- Data Preprocessing, EDA, Visualization
- Supervised & Unsupervised Learning (in progress)
- Business Analytics & KPIs
- Data Wrangling and Automation with Python (in progress)

Data Engineering Concepts

- Relational Databases (Oracle, SQL Server, Teradata)
- ETL testing and Data Pipeline understanding
- Data Quality Assurance

Project Tools

- JIRA, HP-ALM, Agile & Scrum Practices

Education

Master of Business Administration in Analytics and Data Science

Online Manipal University Sep 2023 – Sep 2025 (Pursuing) CGPA: 8.0

B.E., Computer Science Engineering

KLN College of IT, Anna University Jul 2003 – Apr 2007

Certifications

- Google Crash Course on Python – Coursera
- Tableau - Introduction to Business Analytics
- Internshala - Data Science with Python (IIT Parvatak)
- Certified Scrum Master (CSM) – Scrum Alliance (Valid till Apr 2026)
- ISTQB Advanced Test Manager

Projects (Learning Portfolio)

1. Power BI Dashboard – Sales & Profit Insights

Designed and published an interactive dashboard using Power BI to analyze regional sales, profit trends, and discount strategies. Included drill-downs, filters, and calculated measures.

2. Python EDA – Telecom Churn Analysis

Performed data wrangling, correlation analysis, and visualization using Pandas and Seaborn to identify key drivers of customer churn in telecom dataset.

3. SQL Validation – ETL Reconciliation

Created SQL scripts to validate row counts, null checks, and transformations across source and target datasets in a mock data warehouse (GitHub).

4. ML Model – Predictive Analytics (In Progress)

Building a logistic regression model in scikit-learn to predict loan defaults using a cleaned and feature-engineered financial dataset.

Professional Experience

Risk Analyst

Citicorp Services India Private Limited (CSIPL) | Citi Bank | Jul 2022 – Jun 2024

- Validated complex data pipelines and regulatory feeds using SQL and Excel.
- Collaborated with cross-functional teams to support UAT and production sign-offs.
- Conducted data quality checks and root cause analysis across systems.

Senior Associate Projects

Cognizant Technology Solutions | Royal Bank of Canada | Oct 2010 – Jun 2022

- Delivered multiple software and risk transformation projects as a QA Manager and Agile Team Lead.
- Managed project timelines, tracked burn-down and release metrics, and maintained reporting dashboards for leadership.
- Mentored junior team members and championed Agile maturity through coaching and best practices.
- Used tools like JIRA, HP-ALM, and Confluence to manage workflows and maintain transparency.
- Led QA for risk and liquidity reporting systems involving SQL, data tables, and visual report validation.
- Performed backend validation for data transformations.
- Developed automation scripts using Robot Framework to validate large datasets and regression cycles.

Senior Software Test Engineer

iGate Global Solutions | Royal Bank of Canada | Apr 2010 – Oct 2010

- Delivered testing strategies for insurance systems, focusing on functional, integration, and release validation.
- Acted as liaison between cross-functional teams to drive defect resolution and release quality.

Analyst Programmer

Syntel India Limited | State Street Corporation | Jul 2007 – Apr 2010

- Led functional and regression testing, developed test cases from business requirements, and automated Excel-based validation processes.
- Streamlined QA practices, increasing coverage and efficiency across database and UI layers.