

# RAJALINGAM T

Hyderabad, India

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## Summary

Data Engineer with 1.5 years of experience in Python programming, SQL-based data processing and automation. Skilled in developing data pipelines, automating workflows, and ensuring data quality using Python and SQL. Experienced in CI/CD pipeline integration using GitHub Actions and Agile methodologies. Collaborative team player with Agile delivery experience and continuously upskilling in Azure Data Engineering tools such as Databricks, Data Factory and Delta Lake.

## Experience

### Bosch Global Software Technologies

Associate Software Engineer

Hyderabad, India

Jan 2025 – Present

- Designed and implemented CI/CD pipelines using GitHub Actions, improving deployment efficiency and reducing manual processes by 40%.
- Developed Python automation scripts for data validation, log processing, and reporting to support internal simulation workflows.
- Collaborated with cross-functional teams in an Agile environment to improve data handling and automation coverage in automotive simulation projects.
- Supported backend system development with Java and MySQL, ensuring data integrity and performance optimization for internal tools.
- Key Tech Used: Python, GitHub Actions, MySQL, CI/CD

### NielsenIQ

Data Processing Analyst

Chennai, India

Feb 2024 – Dec 2024

- Processed and validated large-scale datasets using MySQL, Excel, and Power BI, ensuring data accuracy.
- Performed ETL-like transformations to standardize input data and ensure high data quality before loading into analytical environments.
- Collaborated in Agile sprints and documented workflows for efficient cross-team development.
- Key Tech Used: SQL, Excel, Power BI, Data Quality

## Education

### Amrita Vishwa Vidyapeetham

B.Tech in Electronics and Communication Engineering

Coimbatore, India

2019 – 2023

CGPA: 8.2 / 10

#### Academic Projects:

- **PEG/PECTIN in SC Applications:** Researched PEG and pectin compositions for solid-core storage applications; achieved 35% higher storage capacity using propylene glycol compositions.
- **Intern – BIOSTHIRA:** Built automated Python ETL pipelines to collect, clean, and store environmental sensor data into SQL-based storage systems. Developed data ingestion scripts integrating REST APIs and IoT data streams for real-time data monitoring.

## Technical Skills

**Programming & Data:** Python, PySpark, SQL

**Data Engineering Tools:** Apache Spark, Databricks Workflows, Data Pipelines, ETL/ELT Frameworks, Data Ingestion, CI/CD (GitHub Actions)

**Database & Storage:** SQL Server, MySQL, Delta Lake, Lakehouse Architecture, Data Warehousing

**Cloud & Data Platforms(Learning):** Microsoft Azure, Azure Databricks, Azure Data Factory, AWS (S3, EC2)

## Projects

### End-to-End Data Warehouse (SQL Server)

2024

- Designed a Medallion-based (Bronze–Silver–Gold) ETL pipeline using SQL Server for data ingestion, cleaning, star schema modeling, and business analytics reporting.

### DataInsightX-Raj – Python Data Quality Tool

2025

- Developed a Python-based data validation tool supporting missing data checks, duplicate detection, schema validation, and CLI automation using pandas & NumPy and published as a package on PyPI.