

Education

A.P. Shah Institute of Technology

Bachelor of Engineering (B.E.) in Information Technology — Mumbai University

Aug 2019 – May 2023

Mumbai, India

Summary

Tech Consultant with 3 years of experience in Python, SQL, PySpark, and data engineering. Skilled in developing scalable data solutions, optimizing data pipelines, and delivering high-performance analytical workflows. Proficient in object-oriented programming, automation, data processing, and large-scale distributed data transformation using PySpark. Experienced in SQL development, query optimization, data validation, and performance tuning to support business-critical reporting and decision-making. Demonstrated ability to collaborate with cross-functional teams, engage with stakeholders, and deliver data-driven solutions in fast-paced environments. Strong analytical mindset with a focus on problem-solving, process improvement, and operational excellence.

Technical Skills

Programming Languages: Python, SQL, PySpark

Python Development: Object-Oriented Programming (OOP), Exception Handling, Automation Scripting, Data Processing, Performance Optimization

Data Analytics & Engineering: PySpark, Databricks, Delta Lake, ETL Development, Data Pipeline Development, Data Transformation, Data Validation, Data Analysis, Workflow Automation

Databases: Oracle SQL, SQL Query Optimization, Functions, Performance Tuning, Data Extraction

Big Data Technologies: PySpark, Databricks, Delta Lake, Distributed Data Processing, Large-Scale Data Analytics

Operating Systems & Tools: Linux/Unix, Shell Scripting, Git

Reporting & Visualization: Power BI, Dashboard Development, Analytical Reporting

Experience

Ernst and Young LLP (EY)

Technology Consultant

July 2023 – Present

Mumbai, India

- Designed and developed scalable data pipelines using PySpark and Databricks, implementing data transformation, validation, and processing workflows for large-scale datasets.
- Built scalable ETL pipelines and implemented fact and dimension data models to support analytical data warehouse and reporting requirements.
- Implemented Delta Lake-based data pipelines using Databricks, leveraging Bronze, Silver, and Gold architecture to support analytical and reporting workloads.
- Developed and optimized complex Oracle SQL queries, functions, and validation routines to support business-critical reporting, reconciliation, and analytics.
- Optimized Oracle SQL queries and ETL processes through performance tuning and root-cause analysis, reducing execution time by up to 30%.
- Developed Python-based automation solutions to streamline operational workflows, improve data quality, and reduce manual effort.
- Designed and implemented automated reconciliation and data quality frameworks, ensuring data accuracy, consistency, and integrity across multiple systems.
- Developed interactive Power BI dashboards and analytical reports, enabling stakeholders to monitor KPIs, identify trends, and support data-driven decision making.
- Partnered with business stakeholders and cross-functional teams to define KPIs, gather requirements, troubleshoot production issues, and deliver scalable data solutions aligned with business objectives.