

# PRATIK BHIKADIYA

Data / Analytics Engineer

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## Professional Summary

Data/Analytics Engineer with **5+ years** designing scalable data platforms, lakehouse architectures, and high-impact BI systems. Advanced expertise in **PySpark, Databricks, Spark SQL, and AWS (S3, Glue, Athena, Redshift, Lambda)**. Proven record of optimizing distributed workloads, enforcing data governance, improving SLA compliance, and enabling executive decision-making through trusted data products.

## Technical Skills

**Languages:** PySpark, Python, Spark SQL, SQL, Bash

**Big Data:** Apache Spark, Databricks, Delta Lake

**AWS:** S3, Glue, Athena, Redshift, Lambda, IAM, CloudWatch

**Azure:** ADF, Databricks, Synapse, ADLS Gen2

**Warehousing:** DataMarts, Medallion, Lakehouse, ACID

**Data Ops:** SLA Monitoring, Alerting, DQM, CI/CD

**BI:** Tableau, Qlik Sense, Power BI

## Professional Experience

### Data Engineer / Analytics Engineer

*Intuit TurboTax*

*Apr 2024 – Present*

*Brampton, ON*

- Architected and maintained **enterprise DataMart pipelines** for Marketing, Finance, Product, and Sales using **Databricks + PySpark**, reducing latency by **35%** and enabling governed self-serve analytics.
- Designed scalable **clickstream ingestion pipelines** (Kafka → EMR/Databricks) processing millions of daily events to power funnel analytics and revenue attribution models.
- Implemented **Bronze-Silver-Gold medallion architecture** with incremental Delta processing, eliminating redundant full scans and lowering compute cost.
- Optimized Spark workloads (broadcast joins, partition pruning, executor sizing) cutting runtime by **30%** and reducing DBU consumption.
- Built **automated SLA monitoring and alerting framework** (Databricks Workflows + CloudWatch), improving MTTR by **40%** and sustaining **99.9%** delivery reliability.
- Developed reusable **Data Quality framework** (schema validation, anomaly detection, null checks) preventing 95%+ of downstream reporting defects.
- Partnered with Finance/Product leaders to formalize KPI definitions and data contracts, reducing metric discrepancies by **60%** and strengthening executive reporting trust.

### BI Engineer

*ArcelorMittal Nippon Steel India*

*Apr 2022 – Dec 2022*

*Gujarat, India*

- Developed Spark-based transformation pipelines in **Azure Databricks** integrating Azure SQL, Blob Storage, and Synapse for financial and operational analytics.
- Orchestrated enterprise ETL workflows in **Azure Data Factory** using triggers and mapping data flows, reducing manual intervention by **40%**.
- Optimized cluster configurations and PySpark UDF logic to improve distributed job performance and minimize compute cost.
- Engineered curated data mart layers with referential integrity controls supporting monthly executive financial reporting cycles.

### BI Analyst

*Adani Ports and SEZ Ltd.*

*Jun 2016 – Mar 2022*

*Gujarat, India*

- Built and maintained large-scale ETL workflows and warehouse schemas supporting port operations, logistics, and finance analytics.
- Improved data processing efficiency by **20%** through SQL optimization and pipeline refactoring while maintaining **99.5% SLA compliance**.
- Delivered 20+ executive dashboards (Power BI/Tableau) tracking operational KPIs, revenue, cargo throughput, and performance trends.
- Collaborated with cross-functional stakeholders to translate business requirements into scalable reporting and analytics solutions.

## Education

**Master of Management (Honors) – Business Data Analytics**

University of Windsor, Canada

*2023 – 2024*

**Post Graduate Diploma (Honors) – Marketing Management**

Maharaja Sayajirao University, India

*2020 – 2021*

**Bachelor of Technology (Honors) – Engineering**

Maharaja Sayajirao University, India

*Completed 2020*

## Certifications

Databricks Certified Data Engineer Associate   Microsoft Azure Data Engineer (DP-203)   Power BI Data Analyst (PL-300)   Databricks Lakehouse Fundamentals   Google Data Analytics Certificate