

Vignesh Nadar

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Summary

Data Analyst and Business Intelligence professional with an MSc in Information Technology and hands-on experience building end-to-end ETL data pipelines, data warehouses, and interactive dashboards across Databricks, AWS, SQL Server, and Power BI. Proven ability to turn raw, messy data into analysis-ready insights and automated reporting while reducing data discrepancies. Skilled in SQL, data modeling, star-schema design, data profiling, data visualization, and DAX. Databricks Certified Data Engineer Associate.

Experience

eClerx Services Pvt Ltd | Analyst

Nov. 2024 – Jul. 2026

Airoli, Navi Mumbai

- Developed and executed SQL data validation scripts to clean, deduplicate, and standardize 6,000+ lead records; systematically resolved null values, schema inconsistencies, and formatting errors, delivered sanitized datasets to cross-functional stakeholders, and built custom MIS reports, driving \$800K+ in revenue pipeline.
- Engineered data pipelines in Excel using VLOOKUP, Pivot Tables, and Conditional Formatting to automate cleaning, transformation, and MIS reporting across large datasets, ensuring a 95% reduction in data discrepancies through rigorous validation and reconciliation.

Projects

SaaS Vendor Health Monitoring Pipeline

SQL, PySpark, Python, AWS, Databricks, Power BI

- Developed a resilient serverless ETL ingestion pipeline using AWS Lambda and EventBridge to poll 6 third-party status APIs every 10 minutes, incorporating per-vendor failure isolation and least-privilege IAM security controls.
- Designed a Databricks Medallion Architecture via Unity Catalog and Auto Loader, applying window functions across 5 Silver tables to isolate true status transitions and minimize noise.
- Engineered a Gold-layer star schema (7 fact tables, 2 dimensions) to calculate uptime and incident duration, differentiating planned maintenance from outages, and connected it to Power BI dashboards via a Databricks SQL Warehouse.

Apex Global Sports Data Warehousing

T-SQL, SSMS, Power BI, Excel, Data Visualization

- Built a full medallion-architecture data warehouse in SQL Server Management Studio, integrating disparate CRM and ERP CSV sources through automated bulk-load and transformation stored procedures.
- Cleaned and standardized messy source data in the Silver layer: deduplication, null handling, date validation, and business-rule derivation (e.g., recalculating sales from quantity $\times$ price, normalizing gender/country codes) with full data-quality test scripts.
- Modeled a Gold-layer star schema (dim_customers, dim_products, fact_sales) as SQL views with surrogate keys, exposing analysis-ready data for customer behavior, product performance, and sales trend reporting.

Skills

- Programming:** SQL, PySpark, Python, Bash
- Data & BI:** Databricks, AWS (S3, IAM, Lambda), Power BI, DAX, Data Visualization, Data Pipelines, ETL, Data Modeling, Medallion Architecture, Data Profiling, Data Quality, Query Optimization
- Tools & Platforms:** Git, MS Excel (VLOOKUP, Pivot Tables), SQL Server Management Studio, MIS Reporting

Education

SIES College of Arts Science and Commerce

Aug. 2022 – Oct. 2024

Master of Science in Information Technology

Nerul, Navi Mumbai

SIES College of Arts Science and Commerce

May. 2019 – Jun. 2022

Bachelor of Science in Information Technology

Nerul, Navi Mumbai

Certifications

- Databricks Certified Data Engineer Associate
- Accenture Data Analytics and Visualization Job Simulation
- HP Agile Project Management Certification