

Narasimha Royal Pola

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Data Analyst who turns multi-source operational data into reporting that stakeholders trust, from Python automation and SQL data-quality checks to Power BI dashboards. Comfortable building the pipelines underneath (Kafka, Airflow, dbt, PostgreSQL), with 44M+ records processed across professional and personal work.

TECHNICAL SKILLS

Languages: Python (Pandas), SQL

Analytics & BI: Power BI (DAX, Power Query, Data Modeling), Tableau, Excel, SLA & KPI Reporting, Sentiment Analysis (VADER)

Data Quality: Data Validation, Reconciliation Checks, Great Expectations, Schema Validation, Dead-Letter Queues

Databases & Warehousing: PostgreSQL, AWS RDS, GCP BigQuery, Data Warehousing, Dimensional Modeling, Medallion Architecture

Data Engineering: Apache Airflow, dbt, ETL/ELT Pipelines, Batch & Stream Processing

Tools: Git, Jira, Jupyter Notebook

EXPERIENCE

University of Houston

Houston, TX

Instructional Assistant – Data & Analytics

Apr 2025 – May 2026

- Served as the bridge between 15 MIS student teams and the Executive Service Corps of Houston (ESCH), coaching each team on agile delivery for its nonprofit client and owning the weekly presentations, client follow-ups, and status updates that kept every project on track.
- Built project-tracking dashboards in EduSourced (the university's client-project platform), giving each team, their nonprofit client, and instructors a shared view of progress, weekly submissions, and final deliverables, so I could oversee every project from a single page.
- Tracked every team's live project with its assigned nonprofit client, coaching teams through Kanban and Scrum-Kanban hybrid workflows and stepping in to unblock scope, timeline, and delivery issues before they reached the client.

Zensar Technologies

Bengaluru, KA

Data Analyst

Mar 2023 – Apr 2024

- Cut a client's daily report prep from 3 hours to under 20 minutes by replacing manual Excel extraction with Python (Pandas) automation.
- Wrote SQL data-quality checks in PostgreSQL (CTEs, window functions) across 5 source systems, catching 150 malformed or duplicate records weekly before they could skew delivery reports.
- Dropped ad-hoc PM requests from 15/week to 2–3 by building Power BI dashboards tracking delivery SLAs and turnaround times, and standardized metric definitions across delivery teams with a centralized data dictionary.

PROJECTS

Amazon Review Sentiment Pipeline | Python, PostgreSQL, Airflow, Docker, VADER, Power BI – Personal Project

- Analyzed 44.2M Amazon reviews through a Bronze → Silver → Gold PostgreSQL warehouse, with a dead-letter queue isolating 6,231 malformed records before they reached reporting.
- Flagged 1,037 suspicious reviewers across 3.2M profiles with a fake-review risk score (VADER sentiment + behavioral signals), surfaced in a 3-page Power BI dashboard.

Semiconductor Supply Chain Intelligence | Python, SQL, Kafka, PostgreSQL, Airflow, dbt – Personal Project

- Built an end-to-end streaming pipeline ingesting 80,000+ records from 3 US government APIs (Census trade, Federal Register, SEC filings), with automated quality gates and self-reconciliation achieving 0.00% variance against published government totals across 16 years of data.
- Deployed analytics marts to GCP BigQuery serving a guardrailed text-to-SQL chatbot that answers supply-chain questions in plain English, quantifying a 29.7% drop in US memory-chip imports after the October 2022 export controls.

EDUCATION

University of Houston

Houston, TX

Master of Science in Computer Science | GPA: 3.44/4.0

Aug. 2024 – May 2026

New Horizon College of Engineering

Bengaluru, KA

Bachelor of Science in Computer Science and Engineering | GPA: 3.63/4.0

Sep. 2020 – Jun. 2024