Sai Nimisha Kakarla

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PROFESSIONAL SUMMARY

Senior Data Analyst with 6+ years in retail, healthcare, and supply chain, building end-to-end analytics in SQL, Python, and Tableau. Turns complex, multi-source data into governed KPIs and trusted insights that drive business decisions.

TECHNICAL SKILLS

- **SQL & Databases:** PostgreSQL, CTEs, window functions, complex joins, subqueries, query tuning (EXPLAIN ANALYZE, execution plans, indexing)
- **Python:** pandas, NumPy, boto3; data profiling, cleaning, transformation, workflow automation
- **Data Modeling & Engineering:** ETL/ELT, staging and warehouse layers, star schema, fact/dimension design, slowly changing dimensions, source-to-target mapping, Delta Lake
- **BI & Visualization:** Tableau (calculated fields, parameters, filters, interactive dashboards), Excel (pivot tables), KPI reporting, data storytelling
- **Cloud:** AWS S3, EC2
- **Statistics & Analytics:** KPI design, hypothesis testing, confidence intervals, segmentation, correlation, trend and root-cause analysis
- **Data Quality & Testing:** completeness, duplicate and integrity checks, source reconciliation, business-rule validation, UAT test design
- **Practices:** Git, technical documentation, reproducible workflows, requirements gathering, stakeholder communication
- **Domains:** retail and e-commerce, marketplace, inventory, returns, healthcare claims, supply chain

EXPERIENCE

Neiman Marcus Groups | Data Analyst **Dallas, TX | Apr2023 - present**

- Architected an end-to-end retail analytics solution unifying 7 sources (OMS, POS, product master, marketplace reconciliation, marketing, customer, inventory) into one PostgreSQL warehouse, giving business teams a single trusted view of sales, returns, and inventory.
- Designed the star-schema model (sales and returns facts; product and customer dimensions) with slowly changing dimensions to preserve attribute history, enabling year-over-year and trend reporting without manual snapshots.
- Built the SQL transformation layer (CTEs, window functions) for running revenue, category-level return rates, and repeat-customer metrics; analysis of return and cancellation drivers by category and channel guided merchandising priorities.
- Cut dashboard refresh times by ~50% by diagnosing slow queries with EXPLAIN ANALYZE and restructuring joins, filters, and indexes.
- Automated Python/pandas profiling of daily OMS, POS, and marketplace feeds to block duplicate orders, empty files, and invalid values before load, removing recurring manual checks and making every run reproducible.
- Owned OMS-to-marketplace reconciliation: traced mismatches to timing gaps, missing files, and conflicting business rules, then documented fixes that became the standard reconciliation process.

- Partnered with finance, merchandising, and marketing to define 20+ KPIs (revenue, returns, cancellations, inventory, marketplace profitability, marketing performance), ending conflicting numbers across teams.
- Delivered self-serve Tableau dashboards for sales, returns, and inventory with parameters and drill-downs, replacing recurring one-off report requests.
- Led validation and UAT for every KPI against source data with documented expected results, giving stakeholders a clear basis for sign-off; maintained code in Git with documented schemas, lineage, and KPI logic for easy handoff.

Baylor Scott & White | Data Analyst **Irving, TX | Oct 2022 – Mar 2023**

- Delivered claims analytics across eligibility, provider, benefits, and payment systems, tracking volume, turnaround time, denial rates, and payment discrepancies to flag trends for operations follow-up.
- Built reusable Python/pandas data-quality scripts that caught duplicate claims, missing or invalid fields, and member/provider IDs mismatched across systems before they reached reporting.
- Reconciled claims, adjustments, and payments to source records, confirming reported totals and protecting the accuracy of operational reporting.
- Root-caused gaps between reports and source data by tracing business rules, and escalated upstream defects to the owning teams.
- Maintained weekly Tableau dashboards of claims KPIs and processing trends for the operations team.
- Ran UAT on new claims reports (calculations, business rules, dashboard-to-source checks) and documented data definitions and KPI logic to keep reporting consistent.

Relevance lab | Jr Data Analyst **Bengaluru, Karnataka | June 2020 – May 2022**

- Reduced delivery time by 25% by analyzing shipment data in Python to pinpoint where supply-chain delays occurred and recommending process changes.
- Automated data extraction and recurring reporting pipelines, saving ~9 hours of manual work per week.
- Built API-based ingestion from the inventory processing application into a Delta Lake on AWS S3, creating the team's central store for inventory analysis.
- Developed a Python order-processing job combining PostgreSQL and CSV sources into a single run, and sped up sales and inventory SQL by rewriting the slowest steps found in explain plans.
- Built Tableau dashboards tracking supply-chain delays by product and daily revenue by region for business stakeholders.
- Led analysis projects from design to production, improving data accuracy and customer satisfaction by ~20%; co-authored data governance policies with business stakeholders.

Kone | Data Analyst Intern **Chennai, Tamilnadu | Aug 2019 – May 2020**

- Cleaned and standardized operational data in Excel and wrote SQL queries validated against existing reports, giving analysts a reliable starting dataset.

- Built pivot-table summaries and charts of monthly operational trends and presented findings and recommendations to internal stakeholders.
- Simplified data collection, reducing rework caused by inconsistent entries.

EDUCATION

VIT University | MTech Integrated Software Engineering **Chennai, India |June2015 – June2020**