

Sai Prakash Kadiyala

Data Analyst

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Professional Summary

- ❖ Data Analyst with around 3 years of experience translating complex datasets into clear, actionable insights to support decision-making across finance, healthcare, and operations.
- ❖ Proficient in advanced SQL for data extraction, joins, CTEs, window functions, and query optimization in large-scale relational databases (SQL Server, PostgreSQL, Snowflake).
- ❖ Skilled in Python for data wrangling, automation, and statistical modeling using libraries like Pandas, NumPy, Seaborn, and Scikit-learn.
- ❖ Built and deployed 30+ interactive dashboards in Power BI and Tableau with drill-down features, filters, and real-time refresh using DAX and Power Query.
- ❖ Led data integration and pipeline development using ETL processes, combining APIs, CSV, and ERP sources into centralized warehouses.
- ❖ Designed and automated end-to-end reporting workflows with Python scripts and Airflow, reducing delivery time by over 50%.
- ❖ Applied time series forecasting and regression models to improve demand planning and sales projections.
- ❖ Conducted A/B testing, hypothesis testing, and t-tests to evaluate marketing experiments and pricing strategies.
- ❖ Collaborated with cross-functional stakeholders to define KPIs, build reporting solutions, and improve data transparency.
- ❖ Created custom metrics and calculated fields in Tableau and Power BI to drive business performance reporting.
- ❖ Implemented data quality checks and anomaly detection using SQL and Python to ensure integrity across pipelines.
- ❖ Experienced in building data marts and semantic models for self-service BI tools, improving report consistency and reducing ad-hoc data requests.
- ❖ Strong background in data governance and metadata management, ensuring compliance with data policies and enabling better data discoverability.
- ❖ Hands-on experience with version control (Git) and collaborative tools like JIRA and Confluence for maintaining data projects in Agile environments.
- ❖ Integrated external data sources (REST APIs, Google Analytics, CRM) for customer segmentation and performance analysis.
- ❖ Familiar with AWS (S3, Redshift, Lambda) for cloud-based analytics and Snowflake for scalable querying.
- ❖ Adept at building data dictionaries and process documentation to support long-term maintainability and team onboarding.

TECHNICAL SKILLS:

- **Languages & Analytics:** SQL, Python (Pandas, NumPy, Seaborn), R, DAX
- **Databases:** SQL Server, PostgreSQL, MySQL, Snowflake, Redshift
- **Visualization Tools:** Power BI, Tableau, Google Data Studio, Excel (Pivot Tables, Macros)
- **Data Engineering & ETL:** Airflow (basic), Python scripting, Stored Procedures, APIs, Power Query
- **Statistics & Modeling:** A/B Testing, Forecasting, Regression, Hypothesis Testing, Time Series
- **Cloud & Tools:** AWS (S3, Redshift, Lambda), Git, JIRA, Confluence
- **Other Skills:** Data Cleaning, KPI Development, Data Storytelling, Stakeholder Collaboration

EXPERIENCE

Client: CVS Health, Richmond, VA

Duration: May 2024 - Present

Role: Data Analyst

- ❖ Automated claims data extraction from internal and third-party APIs using Python scripts and pushed it into AWS S3, improving refresh rate by 40%.
- ❖ Built 15+ Power BI dashboards for C-level executives to track hospital occupancy, patient wait times, and readmission rates.
- ❖ Performed forecasting using seasonal ARIMA models in Python for patient inflow, aiding staffing and budgeting decisions.
- ❖ Developed a reporting system integrated with Snowflake, enabling real-time querying for 50+ daily users.
- ❖ Conducted sentiment analysis on patient reviews using NLP techniques in Python, identifying root causes of dissatisfaction.
- ❖ Implemented ETL pipelines using SQL and dbt for clinical KPI calculations with change data capture logic.
- ❖ Created anomaly detection scripts for billing errors, recovering over \$400K in missed reimbursements.
- ❖ Designed custom DAX measures for Power BI scorecards to track departmental efficiency.
- ❖ Collaborated with nursing and operations teams to define data requirements and build ad-hoc SQL reports.
- ❖ Used Tableau to visualize care outcomes by demographics, guiding diversity and inclusion initiatives.
- ❖ Monitored data accuracy with SQL triggers and integrity checks, reducing false positives by 35%.
- ❖ Provided training on Power BI dashboards to 30+ non-technical users, enabling self-serve analytics.
- ❖ Created SOPs for data pipelines and documentation using Confluence, ensuring audit-readiness.
- ❖ Participated in Agile sprint planning and backlog grooming to prioritize analytics tasks.

Client: Accenture, Hyderabad, India

Duration: July 2021 - Aug 2022

Role: Data Analyst

- ❖ Built centralized logistics dashboards using Tableau to track delivery time, route efficiency, and shipping delays.
- ❖ Performed root cause analysis on late shipments using Python's Pandas and Seaborn, reducing delay rate by 18%.
- ❖ Automated Excel-based reporting with SQL stored procedures and macros, saving over 15 hours weekly.
- ❖ Designed segmentation logic to analyse customer behaviour by frequency and geography using SQL and Python.
- ❖ Created forecasting models for delivery volume by region using linear regression in Python.
- ❖ Integrated 3 different logistics platforms into a single reporting layer using REST API ingestion.
- ❖ Built Power BI reports with row-level security (RLS) to restrict access by branch managers.
- ❖ Wrote documentation for data workflows and governance policies, improving cross-team collaboration.
- ❖ Conducted data cleansing and validation before report deployment to ensure accuracy.
- ❖ Partnered with IT and engineering to define performance metrics and escalation thresholds.
- ❖ Worked with Snowflake warehouse team to optimize storage costs and implement caching layers.
- ❖ Delivered insights weekly to leadership on fleet performance KPIs, turnaround time, and cost per shipment.

Client: UrbanStat Research, Pune, India

Duration: Jan 2021 - July 2021

Role: Junior Data Analyst

- ❖ Collected and cleaned open city data (CSV, JSON APIs) to evaluate bike-share usage and commuter trends.

- ❖ Built dashboards in Google Data Studio and Tableau for community leaders tracking mobility improvements.
- ❖ Used Python to automate dataset merges, label encoding, and outlier detection for visualization prep.
- ❖ Collaborated with urban planners to map infrastructure usage and identify underutilized zones.
- ❖ Performed spatial joins in QGIS to combine GIS data with city-level census information.
- ❖ Built survey analysis dashboards using pivot tables and macros in Excel.
- ❖ Presented insights during community meetings to guide data-backed urban policy decisions.
- ❖ Assisted in designing feedback loop metrics for neighbourhood improvement projects.
- ❖ Documented scripts and dashboard versions using Git and shared through team wiki.

EDUCATION

Masters in Data Science – New Jersey Institute of technology (2024)

Bachelor's in Computer Science & Engineering – KL University (2022)