

Parth Gawande

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SUMMARY

Data analyst with 2+ years of experience in the public sector and logistics. Proficient in SQL, Python, Power BI, and AWS. Skilled in preparing structured datasets, creating dashboards, and conducting analysis to support operational planning, resource allocation, and performance tracking across cross-functional teams managing large-scale, high-volume, and time-sensitive data.

EDUCATION

MS in Information Technology and Analytics

Rochester Institute of Technology | GPA: 3.9

January 2023 - May 2025

Rochester, New York

B.Tech in Computer Science and Engineering

MIT World Peace University | GPA: 3.8

July 2018 - July 2022

Pune, India

EXPERIENCE

Graduate Teaching Assistant

Rochester Institute of Technology

January 2024 - May 2025

Rochester, New York

- Delivered 1000 hours of instructional support to 200 undergraduates in database systems and SQL, guiding them through hands-on labs focused on query writing, data normalization, and relational modeling using industry-aligned case studies.
- Collaborated with a team of 6 faculty members to restructure SQL assignments based on student challenges; provided targeted guidance during weekly labs, which contributed to a 20% increase in average scores across three consecutive semesters.

Data Analyst

StandardWings Technologies Pvt. Ltd.

January 2022 - January 2023

Nashik, India

- Partnered with a 5-member data engineering team to analyze 10,000 weekly GPS logs using SQL and Python, identifying routing inefficiencies across 120 vehicles and reducing annual fuel costs by approximately \$600,000.
- Built 14 Tableau and QuickSight dashboards for logistics, operations, and finance teams; delivered biweekly insights into route efficiency, idle time, and fuel variance, cutting redundant vehicle hours and increasing visibility across departments.
- Engineered real-time delay alerting workflows using AWS Lambda, CloudWatch, and SNS; enabled daily monitoring by operations supervisors and improved anomaly response times by 22%, directly supporting municipal field coordination.
- Defined 21 KPIs with input from 3 department heads and 6 field managers; developed weekly Power BI reports tracking SLA compliance, dispatch reliability, and route completion, enabling more informed planning by civic leadership.
- Implemented quality checks on 60,000 fleet records using SQL and Python; flagged inconsistencies in timestamp and location fields, enforced validation rules, and reduced reporting errors by 25% while aligning outputs with data governance standards.

Data Analyst Intern

StandardWings Technologies Pvt. Ltd.

May 2021 - December 2021

Nashik, India

- Centralized records from 10 municipal departments into a Snowflake warehouse using SQL and AWS Glue; collaborated with 4 analysts and engineers to automate SLA reporting and reduce manual data prep by over 70%.
- Audited emergency delays weekly using Redshift Spectrum and GIS overlays; visualized high-incident zones for city operations managers, enabling reallocation of field staff and improving average response time by nearly 5 minutes.
- Automated 20 Power BI reports reviewed weekly by 6 department heads; tracked service ticket counts, resolution rates, and SLA breaches, improving reporting accuracy, consistency, and leadership insight during monthly city planning meetings.

PROJECTS

FraudScope: Financial Fraud Intelligence

- Investigated 100K banking and insurance records using SQL, Power BI, and DAX to build a KPI-driven fraud monitoring dashboard, reducing investigation turnaround time by 40% and enabling faster cross-departmental decision-making.

AcuMedica: Healthcare Performance Analytics Dashboard

- Launched a Power BI dashboard to track patient flow, wait times, and outcomes across 200K healthcare records, upgraded care quality monitoring by 25% and provided weekly operational insights to administrators for performance planning.

CartWise: Instacart Market Basket Optimization

- Executed market basket analysis on 3 million transactions using Python and the Apriori algorithm; surfaced 25 actionable product bundles, boosting cross-sell potential and informing inventory strategy for marketing and supply chain teams.

SKILLS

Languages & Scripting: Python (Pandas, NumPy, Matplotlib), SQL, R, DAX, Excel (PivotTables, VLOOKUP, VBA)

BI & Visualization Tools: Power BI, Tableau, Looker, Google Data Studio, GIS

Databases & Warehousing: Snowflake, Amazon Redshift, MySQL, PostgreSQL, SQL Server

ETL & Automation: AWS Glue, Airflow, Power Automate, dbt

Cloud & Tools: AWS (Lambda, S3, QuickSight, CloudWatch), Git, Docker

Analytics Techniques: KPI Reporting, Market Basket Analysis, Time Series Forecasting, Statistical Analysis, Financial Reporting