Parth Gawande

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SUMMARY

Data Analyst with over 2 years of experience harnessing SQL, Python, Power BI, and AWS to deliver actionable business intelligence. Skilled in integrating complex datasets, designing performance-driven KPIs, and developing interactive dashboards that empower stakeholders, optimize operational workflows, and drive strategic growth in public sector and logistics environments.

EDUCATION

MS in Information Technology and Analytics							*January 2023 - May 2025*
Rochester Institute of Technology | GPA: 3.9								*Rochester, New York*
B.Tech in Computer Science and Engineering							*July 2018 - July 2022*
MIT World Peace University | GPA: 3.8											*Pune, India*

EXPERIENCE

Data Engineer												*September 2025 - Present*
Saayam For All														*Remote*
- Evaluated donor records from Salesforce and Excel, identifying key trends and discrepancies that informed the design of Power BI dashboards, improving stakeholder insights and enhancing understanding of donor behavior across 5 programs.
- Led KPI definition and data examination with fundraising and program teams, uncovering insights that optimized resource allocation; automated reporting processes with SQL and Python, increasing report accuracy and reliability by 25%.

Graduate Teaching Assistant										*January 2024 - May 2025*
Rochester Institute of Technology										*Rochester, New York*
- Delivered 1000+ hours of instructional support to 200+ students, guiding them through labs focused on query writing in SQL.
- Redesigned SQL assignments with faculty and provided targeted guidance, resulting in a 20% increase in student average scores.

Data Analyst												*July 2021 - January 2023*
StandardWings Technologies Pvt. Ltd.										*Nashik, India*
- Extracted, cleaned, and integrated multi-source data (GPS, sensor, Salesforce CRM, SAP, Excel) from 120+ vehicles into AWS S3 using SQL and Python, enabling detailed fleet analysis that uncovered significant operational cost savings.
- Collaborated with cross-functional teams to define 21 key KPIs aligned with business objectives, developed automated monitoring reports, and improved fleet operational efficiency by 15% through continuous performance tracking.
- Built 14 interactive Tableau and Power BI dashboards visualizing route efficiency, fuel consumption, and SLA compliance, enhancing operational transparency and empowering logistics, operations, and finance teams.
- Established data governance and validation processes for 600,000+ records using SQL and Python, reducing inconsistencies by 25% and implemented real-time alert workflows with AWS Lambda to decrease fleet delay response times by 22%

Data Analyst Intern											*January 2021 - June 2021*
StandardWings Technologies Pvt. Ltd.										*Nashik, India*
- Partnered with hospital management and data teams to extract, clean, and analyze 25,000+ patient records using SAP and Excel. Created visualizations to monitor bed utilization, contributing to a 20% reduction in patient wait times during COVID-19.
- Developed Power BI and Tableau dashboards tracking hospital capacity and staff availability across 12 facilities. Enabled data-driven resource allocation that optimized patient care and decreased shortages by 25%.

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 Tableau 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.

GASTech Analyzing Building Operations Data
- Analyzed over 100K+ records on Google Cloud of employee movements and HVAC sensor data using BigQuery, Data Studio, and GIS, detecting anomalies that drove a 20% decrease in operational inefficiencies and significantly improved building safety.

SKILLS

Languages & Scripting: Python (Pandas, NumPy, Matplotlib), SQL, R, DAX, SAS
BI & Visualization Tools: Power BI, Tableau, Looker, Google Data Studio, GIS
Databases & Warehousing: MySQL, PostgreSQL, SQL Server, Snowflake, Salesforce CRM, SAP, Excel (PivotTables, VLOOKUP, VBA)
Cloud & Tools: AWS (S3, Lambda, CloudWatch, Glue), GCP, Git, Docker, Power Automate, Big Query
Analytics Techniques: KPI Reporting, Time Series Forecasting, Statistical Analysis, Financial Reporting, Hypothesis Testing