

PARTH GAWANDE

pg5598@rit.edu | +1 585-625-9131 | [linkedin.com/in/parthgawande](https://www.linkedin.com/in/parthgawande) | parthgawande.github.io/Portfolio

EXPERIENCE

Data Analyst

January 2022 - January 2023

StandardWings Technologies Pvt. Ltd.

- Analyzed **9,000 weekly GPS-tracked fleet records** by developing **ETL workflows** using **AWS Glue** and **PySpark**, improving structured data integration, and providing operational teams with timely, actionable insights for route optimization.
- Created **14 interactive dashboards** in **Tableau** and **AWS QuickSight** to visualize trends in fuel consumption, distance, and route performance, **reducing fuel cost variance by 15%** and saving **30 analyst hours per month**.
- Established alerting workflows using **AWS Lambda**, **SNS**, and **CloudWatch** to monitor real-time operational anomalies, **reducing incident resolution time by 22%** and supporting better field decision-making through reliable automated insights.
- Translated **20 business requirements** into **trackable KPIs** using **SQL** and **Power BI**, improving data-driven decision-making and **increasing stakeholder adoption by 40%** through intuitive dashboards and clear metric documentation.
- Monitored data quality and dashboard reliability by implementing **Python-based** health checks and analyzing **CloudWatch logs**, **reducing reporting discrepancies by 31%** through validation rules, alerts, and exception tracking processes.

Data Analyst Intern

May 2021 - December 2021

StandardWings Technologies Pvt. Ltd.

- Centralized datasets from **10 city departments** into a **Snowflake data warehouse** using **AWS Glue**, **Airflow**, and **SQL**, supporting **SLA reporting**, performance analysis, and improving access to structured data for operational stakeholders.
- Audited service delays using **Redshift Spectrum** queries and **GIS** overlays to identify high-incident locations, enabling targeted resource deployment and reducing average civic team response time by approximately **5 minutes**.
- Streamlined **20 recurring reports** by automating workflows using **Python** and **Power BI**, improving consistency and timeliness in weekly updates to civic leadership on operational performance, service metrics, and resolution trends.

Graduate Teaching Assistant

January 2024 - May 2025

Rochester Institute of Technology

- Delivered **1000 hours of instructional support** to 150 undergraduates, improving quantitative reasoning by teaching concepts in **mathematics** and **statistics** and guiding students through structured exercises and data interpretation.
- Conducted performance analysis on class exam data to identify knowledge gaps, applying **statistical techniques** to adjust teaching approach and materials, resulting in a **20 percent improvement in average student scores** across **3 semesters**.

SKILLS

Programming & Scripting: Python, SQL, R

Database: Snowflake, Google BigQuery, SQL Server, MySQL

BI & Visualization: Power BI, Tableau, AWS QuickSight, GIS, Looker Studio

Data Engineering: Airflow, dbt, PySpark, ETL/ELT

Cloud & Warehousing: AWS (Glue, Lambda, S3, CloudWatch, EC2, SNS, Redshift), Azure (Synapse, Data Factory), Databricks

Tools & Deployment: Excel, Git, Gitlab, CI/CD

PROJECTS

ForecastPro: Sales Forecasting Automation

- Constructed a **forecasting pipeline** using **Python** and **Airflow** to predict weekly demand for **4K SKUs**, delivering **SQL-based outputs** to **Snowflake**, improving **forecast accuracy by 22%** and reducing stockouts, enabling inventory planning decisions.

HealthLens: Monitoring Healthcare Trends

- Developed **4 Power BI dashboards** analyzing **25K patient records** using **SQL** and **Python**, enabling hospital stakeholders to **reduce patient wait times by 22%**, monitor diagnosis accuracy, treatment efficiency, and improve discharge planning processes.

FraudScope: Financial Fraud Intelligence

- Built an interactive **Tableau dashboard** analyzing **130K credit card transactions**, identifying **68 fraud cases**, and enabling **\$500K in risk mitigation** by visualizing fraud trends by geography, transaction type, time of day, and account type.

CareAllocate: Scalable Clinical Resource Optimization System

- Designed **Spark-based ETL pipelines** and **Looker Studio dashboards** across **100 hospitals**, **reducing manual reporting time by 60%** and supporting decisions on hospital staffing, supply planning, patient load management, and operational readiness.

F1Track: Performance Analytics on Azure Cloud

- Engineered an analytics pipeline using **Azure Data Factory**, **Synapse**, and **Databricks** to process **50K lap records**, delivering insights on sector performance, pit timing, and circuit-level strategy optimization, improving race-day planning accuracy.

EDUCATION

Master of Science in Information Technology and Analytics

January 2023 - May 2025

Rochester Institute of Technology | CGPA: 3.9/4.0