PARTH GAWANDE

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EDUCATION

Master of Science in Information Technology and Analytics ***January 2023 - May 2025***
Rochester Institute of Technology, Rochester, New York | CGPA: 3.9/4.0
Bachelor of Technology in Computer Science and Engineering ***July 2018 - July 2022***
MIT World Peace University, Pune, India | CGPA: 9.27/10.0

SKILLS

Programming & Analytics: Python, SQL, R
Business Intelligence & Visualization: Tableau, Power BI, Looker Studio, Amazon QuickSight, Streamlit
Marketing Analytics Tools: Snowflake, Microsoft Excel, Google Sheets, dbt
Data Engineering & Automation: ETL Pipelines, Apache Airflow, AWS Glue, Git, CI/CD
Cloud & Platforms: AWS Redshift, Google BigQuery, S3, Lambda, SageMaker, Databricks
Reporting & Collaboration: KPI Design, Stakeholder Communication, Data Storytelling

EXPERIENCE

Graduate Teaching Assistant | *Rochester Institute of Technology, New York* ***January 2024 - May 2025***

- Instructed 150 undergraduate students across 3 semesters in linear equations, functions, and logarithmic models, assisting them in applying core math concepts to real-world and data-related problems.
- Led review sessions and workshops informed by analysis of quiz and assignment results to identify topics students struggled with the most, helping raise overall exam scores by 20%.
- Facilitated about 200 hours of one-on-one and group support to clarify difficult topics, close skill gaps, and improve pass rates.

Data Analyst | *StandardWings Technologies Pvt. Ltd., India* ***July 2022 - January 2023***

- Engineered 8 end-to-end ETL pipelines using AWS Glue to integrate GPS/RFID fleet data, modeling schemas for tracking 158 vehicles, and enabled analytics on 9,000+ weekly trips to identify inefficiencies and reduce fuel cost variability by 15%
- Designed 14 interactive dashboards in Tableau and QuickSight to monitor fuel use, idle time, and missed pickups, and deployed SageMaker models to identify route inefficiencies, improving fleet utilization by 30 hours/month
- Guided a team of 5 interns to develop and test 6 ETL pipelines processing 150K+ weekly trip records, and delivered 4 Tableau dashboards that enhanced route planning across 3 zones and saved 20+ analyst hours/month
- Implemented alerting logic via AWS Lambda and SNS to reduce route-related disruptions, enabling fleet oversight, and helped supervisors cut incident response time by 22%, supporting smoother field ops and reducing service loss
- Partnered with 6 stakeholders across ops, product, and finance to gather 20+ reporting requirements, translating business needs into analytics deliverables that increased dashboard usage by 40%
- Integrated models with CloudWatch for anomaly detection and aligned 23 KPIs across ops/finance teams, reducing metric discrepancies by 31% and enabling consistent reporting for strategic decision-making

Data Analyst Intern | *StandardWings Technologies Pvt. Ltd., India* ***May 2021 - May 2022***

- Developed 5 ETL pipelines using AWS Glue and Airflow to integrate logs and incident data from 10 municipal departments into a central analytics system, and assembled Snowflake models to power real-time dashboards for 27 KPIs
- Explored response time trends across 16 city wards using Redshift Spectrum and GIS layers, and composed 6 Tableau dashboards to visualize ward-level resolution, reducing average response times by 5 minutes through targeted spatial insights
- Automated 20 weekly performance reports using AWS Lambda and email APIs to streamline city department communications, and optimized daily aggregation pipelines via Airflow to eliminate 4.5 hours/day of manual data prep

PROJECTS

StyleSync - Fashion Product & Recommendation Insights Analysis

- Processed 140K fashion entries with Python and SQL to engineer features for a recommender system, boosting buyer targeting
- Trained ResNet-50 and MCN models, achieving 92% accuracy and improving match relevance by 40% across 10K sessions

F1Track – Real-Time Performance Analytics Using Databricks

- Built Databricks workflows with PySpark to ingest lap-time and telemetry data from 22 F1 races and 20 drivers into Delta Lake
- Established ML models and dashboards to analyze tire degradation and pit strategies across 1100 laps for performance insights

DemandCast - Sales & Inventory Forecasting Optimization

- Modeled 500K sales records using Snowflake and Python, applying ARIMA and smoothing to raise forecast accuracy by 28%
- Streamlined SKU-level reports in Power BI and Looker Studio, reducing reporting time from 1 hour to 8 minutes

Churnlytics – Telecom Customer Retention Risk Modeling

- Created a LightGBM model in Python to predict churn from 80 K telecom records, enabling data-driven retention strategies
- Improved segmentation accuracy and reduced predicted attrition risk by 17% across the high-risk customer cohort