

PARTH GAWANDE

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Analytical Thinker & Problem Solver with expertise in data engineering, data analysis, and machine learning, specializing in scalable data pipelines, AI-driven insights, and business intelligence solutions, seeking full-time opportunities starting May 2025

Education

Master of Science in Information Technology and Analytics

Rochester Institute of Technology — GPA: 3.8/4.0

January 2023 – August 2025

Rochester, New York

Bachelor of Technology in Computer Science and Engineering

MIT World Peace University — GPA: 9.27/10.0

July 2018 – July 2022

Pune, India

Experience

Data Analyst

July 2022 - December 2022

StandardWings Technologies Pvt. Ltd.

Nashik, India

- Managed large-scale IoT datasets from 120+ GPS and RFID-enabled garbage collection vehicles using AWS Redshift and AWS Glue, ensuring seamless data flow and improving operational accuracy by 20%.
- Designed Power BI dashboards integrated with AWS QuickSight and API Gateway, providing real-time visibility into logistics and waste collection operations, reducing reporting time by 1.5 hours per shift.
- Automated ETL pipelines with AWS Glue and PySpark to transform and process waste management data stored on AWS S3, reducing manual effort by 30% and enhancing sustainability analytics with regular data quality checks.
- Conducted time-series analysis and clustering on garbage collection vehicle usage data with AWS SageMaker and Databricks, delivering insights that reduced fuel consumption by 20% and supported green technology initiatives.

Data Analytics Intern

December 2021 - May 2022

The Sparks Foundation

India

- Implemented AI-powered candidate screening using CNNs, processing 50,000+ resumes and integrating with HR data on AWS, significantly improving recruitment efficiency and optimizing KPI-driven evaluation metrics.
- Streamlined recruitment processes by analyzing complex hiring patterns using programming in cloud-hosted datasets on AWS, reducing the average time-to-hire by 10% using Python and SQL-driven insights.
- Optimized robust integrated ETL pipelines utilizing AWS Lambda to streamline 10+ diverse datasets, enhancing recruitment data accuracy and reducing processing time by 2 hours per batch.
- Developed interactive dashboards in Tableau and Power BI, integrating machine learning forecasts with visual analytics to facilitate data modeling; resulting in a 25% faster decision-making process and improved operational efficiency by 15%.

Projects

StyleSync: AI-Driven Personalized Outfit and Shopping Assistant

November 2024 - Present

- Developed an AI-powered fashion assistant using Vision Transformers and Siamese Networks for detailed garment analysis, achieving 92% accuracy in outfit compatibility and personalized recommendations.
- Built a hybrid recommendation system combining Graph Neural Networks and Transfer Learning, integrating real-time retail data to enhance outfit pairing and improve wardrobe utilization by 40%.

GeoEnvision: Intelligent Satellite Imaging for Urban Planning

January 2024 - May 2024

- Established a deep learning-based super-resolution framework using EDSR to enhance 50K+ satellite images, improving clarity for infrastructure planning and environmental monitoring with geometric corrections and noise reduction.
- Implemented a YOLOv3-based object detection system to classify urban landscapes, successfully automating analysis processes that reduced urban planning time by 40% and improved disaster response accuracy for 5 major municipalities.

Analyzing GASTech Building Operations Data

September 2023 - December 2023

- Conducted anomaly detection on building operations data using Python, SQL, and Power BI, analyzing 20K+ sensor readings to identify security risks and inefficiencies in energy consumption while improving operational transparency.
- Customized interactive dashboards in Power BI to visualize 50+ key operational patterns, enabling data-driven decision-making for facility management while optimizing data pipelines with Apache Spark for faster anomaly detection.

DemandCast: Time Series Forecasting for Sales and Revenue Optimization

April 2023 - July 2023

- Architected a sales forecasting model using LSTM, ARIMA, and Prophet to predict revenue trends and demand fluctuations, analyzing 500k+ transaction records to optimize inventory planning and supply chain efficiency.
- Engineered predictive features including seasonality indices, lag variables, and promotional impact factors, improving forecast accuracy by 30%, integrating insights into Power BI dashboards for real-time business decision-making.

Skills

Languages: Python, SQL, R, JavaScript, Java, Scala

Databases: PostgreSQL, MySQL, SQL Server, MongoDB, Snowflake, BigQuery, Redshift, NoSQL, Neo4J

ETL & Data Processing: Apache Spark, PySpark, AWS Glue, Airflow, AWS Lambda, Hadoop, AWS S3

Tools: Power BI, Tableau, Looker Studio, Excel, Git, CI/CD, Databricks, SAS, Alteryx, Pentaho, AWS Quicksight, QGIS

Analytics: Scikit-learn, NLP, Forecasting, A/B Testing, Deep Learning, Predictive Analysis, Statistics, Data Warehousing