

Education

Northeastern University, Boston, MA	Mar 2025
MS in Data Analytics & Statistical Modelling	GPA 3.87
University of Mumbai, India	Jul 2021
Bachelor of Engineering in Information Technology	GPA 3.6

Experience

Software Engineer, Cognizant, India	Dec 2021 – Aug 2023
Client: Pepsi Co.	

- Developed scalable analytics pipelines using Python, T-SQL, and SQL Server to support SKU-level demand forecasting, reducing stockouts by 18%. Integrated predictive models into Azure Data Factory and created testable scripts for deployment via Airflow, enabling experimentation and model lifecycle tracking.
- Led the end-to-end design of ETL workflows using Informatica PowerCenter, transforming SAP/Oracle data into trusted datasets. Built Power BI dashboards to monitor procurement, inventory, and operational costs, reducing latency by 40% and empowering business decisions.

Client: Siemens

- Engineered Tableau dashboards fed from real-time SAP HANA and pre-modeled semantic layers using Python (pyodbc), automating supplier performance tracking. Collaborated with supply chain stakeholders to define KPIs and built testing layers to ensure dashboard integrity.
- Built time-series models with Prophet and statsmodels, forecasting production bottlenecks and automating schedule predictions. Scheduled jobs via Airflow, leveraging PostgreSQL and S3 for distributed storage and parallel data access, reducing plant downtime and improving efficiency.

Projects

City of Boston - Boston 311 (Master’s Capstone Project) Python, Azure, SQL, Power BI	Jan 2025 – Mar 2025
<ul style="list-style-type: none">• Spearheaded a full-stack analytics solution using Python, SQL, and Power BI for real-time decisioning on 311 service call patterns. Built modular ETL pipelines with Airflow and Azure Synapse, enabling dynamic risk monitoring and response modeling.• Transformed raw city operations data into testable dbt-style layers, enhancing transparency and enabling reproducibility for model insights and metric definitions.	

Amazon Inventory Management Optimization SQL, Tableau, Python	Sept 2024 – Dec 2024
<ul style="list-style-type: none">• Built modular dbt models and SQL-based data pipelines to clean, transform, and expose warehouse and transactional sales data into a semantic layer for downstream analytics. Applied Git version control and dbt testing framework to ensure reliable and repeatable builds.• Developed Python-based demand forecasting models (using Prophet, scikit-learn) and visualized predictive KPIs (fill rate, reorder points, lead time) in Tableau dashboards, improving simulated service-level accuracy by 20%. Orchestrated pipeline logic to be Airflow-ready.	

Customer Segmentation Analysis Python, Tableau, SQL	Jan 2024 – Feb 2024
<ul style="list-style-type: none">• Built segmentation pipelines using Python (K-means, DBSCAN) and SQL to create canonical customer datasets; visualized clusters in Tableau and enabled A/B testing with Jupyter-based experiments.	

Skills

- **Data Engineering & Analytics Stack:** Python (Pandas, NumPy, Scikit-learn, Statsmodels, Prophet), SQL (T-SQL, PostgreSQL, MySQL), R, Bash; dbt (familiar), Informatica, Azure Data Factory; Airflow, Python-based ETL
- **BI & Visualization:** Power BI (DAX), Tableau, Looker (working knowledge of LookML concepts); SAP HANA, S3, SQL Server, PostgreSQL, Hive
- **Software Engineering & DevOps:** Git, GitHub, Azure DevOps, CLI; Pytest (Python), dbt-style test frameworks (simulated); unit testing, modular coding, reproducible pipeline design
- **Certifications:** Microsoft Azure Fundamentals, Advanced Google Cloud Data Analytics

Leadership

Boston New Technology Head of Marketing & Communications. (Volunteering)	Jan 2025 – Present
<ul style="list-style-type: none">• Led digital marketing strategy development and implemented campaign tracking systems using Power BI, SQL, and Google Analytics, optimizing data reporting and visualization for internal and external stakeholders.	