

Swapnil Deore

• deoreswapnil@outlook.com • (315)883-7097 • [linkedin.com/in/swapnildeore/](https://www.linkedin.com/in/swapnildeore/) • [Portfolio](#)

EXPERIENCE

Syracuse University

Research Assistant, Data Science Team

September 2024 – Present

Syracuse, NY

- Built **PySpark** SQL data pipelines to load + transform 10M+ alumni records from Azure Data Lake to Snowflake, cutting batch processing time by 60% (from 5 hrs → 2 hrs) and accelerating analytics for student-alumni networking initiatives.
- Developed **Dbt models** to transform raw alumni data into structured, analytics ready datasets within Snowflake, enhancing business intelligence solutions to facilitate student-alumni connections and support.
- Optimized inventory restocking management at the university store by developing **Tableau** dashboard to analyze sales.
- Mentored 75+ students in **Data Visualization using Tableau** coursework, providing guidance on analytics and dashboard design.
- Created **Langchain GPT-4** chat model to automate sentiment analysis of 300+ student forum discussions, identifying key pain points in event planning leading to 25% increase in post-event satisfaction scores.

Prompt Marketing Agency

Data Science Intern, Business Intelligence Team

June 2024 – August 2024

New York, NY

- Increased Lidl CEO's LinkedIn profile engagement by over **80,000 users** by conducting conversational analysis on follower interactions using Python and Tableau, delivering data-driven strategies to enhance engagement.
- Created 5 dashboards in **Tableau** for various projects to track KPIs and visualize key insights on product performance, reviews, engagement and marketing campaigns supporting clients to take data-driven decisions.
- Conducted market research for granola bar client using **Talkwalker** to perform competitor analysis and identify consumer preferences, providing insights that shaped the client's entry strategy into the US Gen-Z market.
- Maintained **Data marts** in Snowflake using dbt to create materialized views enabling different teams to take data driven decisions.
- Partnered with CMO to analyze **A/B test** results (Google Analytics + SQL), optimizing digital ad spend and increasing CTR by 18%.

Tata Consultancy Services

Data Engineer, National Stock Exchange Analytics Team

September 2020 – July 2022

Mumbai, India

- Managed 100 million daily trading transactions using **FIX protocol** to process data for settlements across National Stock Exchange servers to ensure data integrity and secure transactions.
- Monitored and fine-tuned **ETL** pipelines to handle peak trading volumes, ensuring 99% up-time during high-market-activity.
- Implemented checksum **data validation** methods for broker-sourced trading data (NSE settlements), ensuring 100% accuracy in transactional records and reducing reconciliation mismatches by 90%.
- Produced **30+ ad hoc reports** for various teams at National Stock Exchange using tools like Tableau and Excel to present insights.
- Optimized **Google BigQuery** performance through clustering, partitioning, and warehouse tuning, lowering compute costs by 35% without sacrificing query speed for trading data analytics.

EDUCATION

Syracuse University

Master of Science, Data Science

August 2022 – May 2024

Syracuse, NY

University of Mumbai

Bachelor of Engineering, Computer Engineering

June 2016 – June 2020

Mumbai, India

TECHNICAL SKILLS

Languages: Python, SQL, NoSQL, HTML, CSS

Databases: PostgreSQL, MySQL, SQLite, Databricks, Snowflake, Dbt, Redshift, Google BigQuery, CRM

Packages: Numpy, Pandas, Matplotlib, Seaborn, Langchain, Airflow, Kafka, PySpark, NLP, Prefect

Tools: VS Code, Tableau, Power BI, GIS, Git, Docker, Jupyter Lab

PUBLICATION

EDP Sciences: Published research paper on data mining algorithms, focusing on the efficiency of the Top-K algorithm for supermarket sales, demonstrating its superiority in scalability and resource optimization compared to the UP-Growth algorithm. ([Link to the paper](#))

CERTIFICATIONS

- Certificate of Advanced Study in Data Science - Syracuse University
- Certified Excel Specialist - Microsoft
- Advanced Data Analytics – Google
- Tableau Specialist