

Swapnil Deore

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

WORK EXPERIENCE

Syracuse University

September 2024 – Present

Research Assistant, Data Science Team

- Deployed Tableau dashboard and SQL based solutions to **optimize inventory restocking** for the university store, reducing stockouts.
- Leveraged **Natural Language Processing (NLP)** to analyze student surveys, providing managers with real-time insights into emerging trends and increase event participation by over 500 students.
- Produced **30+ ad hoc reports** for various teams within the university, utilizing platforms such as Tableau, SQL and Excel.
- Developed AI application using Python (Langchain) to streamline data cleaning and processing, improving accuracy and boosting operational efficiency by up to 95% for colleagues.

Prompt Marketing Agency

June 2024 – August 2024

Data Science Intern, Business Intelligence Team

- Executed conversational analysis techniques on social media engagement data, compiling insights that enabled Fortune 500 clients to enhance **brand visibility and assess competitive positioning**.
- Increased Lidl CEO's LinkedIn profile engagement by over **5,000 users** by conducting sentiment analysis on follower interactions using Python and Tableau, delivering actionable insights to boost engagement.
- Developed and maintained **5 dashboards in Tableau** to track KPIs and visualize key insights on product performance, engagement metrics and marketing campaigns empowering clients to make data-driven decisions.
- Conducted **A/B testing with advanced statistical analysis** to assess the effectiveness of new product launches and promotional campaigns, driving customer acquisition and increased engagement.

Tata Consultancy Services

September 2020 – July 2022

Data Analyst, Stock Exchange Analytics Team

- Analyzed **200 to 300 million daily trading transactions** using time-series, t-test, chi-square, correlation, and multivariate analysis to identify market trends and relationships between trading volume, stock prices, and economic factors.
- Leveraged Google BigQuery to process and **analyze 10 terabytes of real-time trading data daily**, improving the speed and accuracy of analysis and reporting to senior leadership.
- Coordinated with cross-functional teams at National Stock Exchange to implement **robust data governance frameworks**, ensuring data integrity and compliance with industry standards.
- Created **real-time Qlik dashboards** to track KPIs like trade metrics, market liquidity, volatility index (VIX), and stock prices, supporting trading operations and decision-making.

EDUCATION

Syracuse University

August 2022 – May 2024

Master of Science, Information Systems

Relevant Coursework: Business Intelligence, Data Analysis and Decision Making, Natural Language Processing, Data Visualization

University of Mumbai

June 2016 – June 2020

Bachelor of Engineering, Computer Engineering

Relevant Coursework: Data Science, Artificial Intelligence, Machine Learning, Business Analytics, Python Programming, Databases

TECHNICAL SKILLS

Programming Languages: Python, R, SQL, NoSQL, HTML, CSS, C

Libraries: Numpy, Pandas, Matplotlib, Seaborn, Ggplot2, Dplyr, Tidyverse, Shiny, Langchain, NLTK, spaCy, Pivot tables

Data Tools: MySQL, PostgreSQL, Google Big Query, Power BI, Tableau, Qlik, Snowflake, Excel, VBA, Databricks, AWS, Google Cloud

Other Skills: Git, GenAI, Statistical Analysis, Quantitative Analysis, Hypothesis Testing, A/B Testing, Qualitative Analysis

CERTIFICATIONS

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

PUBLICATION

Published research paper on data mining algorithms, with a focus on the efficiency of Top-k algorithms for Super Market Sales showcasing its superiority for scalability and resource optimization - [Publication link](#)