

Swapnil Deore

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EDUCATION

Master of Science, Information Systems

May 2024

Syracuse University, Syracuse, NY

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

Bachelor of Engineering, Computer Engineering

June 2020

University of Mumbai, Mumbai, India

- Relevant Coursework: Data Science, Data Mining, Machine Learning, Database Management System, Business Analytics, R, Python

TECHNICAL SKILLS

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

Packages Numpy, Pandas, Matplotlib, Seaborn, Ggplot2, Dplyr, Tidyverse, Shiny, Langchain, NLTK, spaCy

Tools MySQL, PostgreSQL, MongoDB, Power BI, Tableau, Looker, Gephi, Snowflake, Excel, VBA, Talkwalker

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

WORK EXPERIENCE

Data Science Intern

May 2024 – August 2024

/prompt, New York, NY

- Analyzed **over 2,000 Talkwalker queries** for social listening, improving trend identification and different targeted audience.
- Improved **ALDI's social profile traffic by adding 5,000+** users through conversational analysis using Python and Gephi.
- Utilized **Natural Language Processing (NLP)** to analyze conversations from forums like Reddit and Quora, identifying key trends, factors and sentiment patterns to inform marketing strategies and enhance client product positioning.
- Leveraged Python (scikit-learn, TensorFlow) to build machine learning models that analyzed user behavior and predicted customer churn, driving targeted marketing efforts and increasing **customer retention by 10%**.

Data Analyst Intern

May 2023 – August 2023

Syracuse University, Syracuse, NY

- Performed exploratory data analysis (EDA) on university's data warehouse **using Python (pandas, numpy, seaborn)** to identify key trends and patterns, enabling data-driven decisions for marketing campaigns and event planning.
- Increased **student engagement by 500+ participants** by analyzing event participation trends and student interests implementing targeted outreach strategies, such as personalized email campaigns and event-based incentives.
- Developed **5 dashboards using Power BI** to keep track of KPI's and visualize key insights for different departments.
- Conducted A/B testing with Python and statistical analysis to evaluate promotional strategies, resulting in a **12% increase in student retention** by optimizing acquisition efforts.

Software Engineer

September 2020 – July 2022

Tata Consultancy Services, Mumbai, India

- Optimized **transaction latency to 0-10 ms** by configuring servers for National Stock Exchange ensuring uninterrupted operations.
- Collaborated with IT teams to optimize database queries, **resulting in a 50% reduction** in data retrieval times and improved access to critical trading information for analysts.
- Reduced **storage costs by approximately \$220,000** while ensuring high-performance access to critical data warehouses on National Stock Exchange servers through the implementation of efficient data wrangling and encryption techniques using SQL.
- Led the customer experience team to leverage consumer behavior insights, **enhancing product analytics and user experience** for trading platforms at National Stock Exchange.

PROJECTS

Data Science Jobs Dashboard - [Project Link](#)

August 2023 – December 2023

- Developed a Tableau dashboard **analyzing the Fall 2023 data science job market** by web scraping LinkedIn postings using Python.
- Revealed that 65% of available jobs are full-time, with a **peak in postings during October** month.

Predicting Energy Consumption in North and South Carolina - [Project Link](#)

January 2023 – July 2023

- Engineered machine learning predictive models (**XGBoost with 94% accuracy**) to predict energy consumption patterns in North and South Carolina, aiding sustainable energy use during peak summer periods.
- Created an interactive dashboard to visualize key insights using **R (Ggplot2, Tidyverse, Shiny)**.