

Swapnil Deore

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EDUCATION

Master of Science, Information Systems

May 2024

Syracuse University, Syracuse, New York

- 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

Libraries 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

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- Analyzed **over 2,000 social media queries** using Talkwalker, improving trend identification for targeted audience.
- Improved **ALDI's social media traffic by 15%**, adding **5,000+** users through engagement analysis and theme identification using Python (Numpy, Pandas, Selenium) and Gephi.
- Designed and executed A/B tests using Python and statistical analysis methods to evaluate the effectiveness of new product features and promotional strategies, optimizing customer acquisition which led to **12% increase in customer retention**.
- Utilized **advanced statistical techniques, including time-series analysis and multivariate analysis**, to uncover trends in social media data and predict future engagement patterns, driving actionable insights for client strategies.

Data Analyst Intern

May 2023 – August 2023

Syracuse University

- Performed exploratory data analysis (EDA) on university's data warehouse **using Python (pandas, matplotlib, 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.
- Implemented natural language processing (NLP) to assess feedback from university chat interactions, uncovering common student concerns and insights that guided **improvements in service quality and increased user satisfaction by 10%**.

Software Engineer

September 2020 – July 2022

Tata Consultancy Services

- Reduced **transaction latency** to 0-10 ms by configuring and optimizing servers for National Stock Exchange ensuring uninterrupted operations for optimal trading experiences.
- Maintained 96% Service Level Agreements while strategizing business by developing **100+ ad hoc reports for 20+ managers**.
- Achieved **22% reduction in storage costs** while maintaining high-performance access to critical data warehouses on National Stock Exchange servers, by implementing efficient data wrangling and encryption methods using Python (Numpy, Pandas) and SQL.
- Collaborated with 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)**.