

Swapnil Deore

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EDUCATION

Syracuse University

Master of Science in Data Science

August 2022 – December 2024

Syracuse, NY

University of Mumbai

Bachelor of Science in Computer Science

June 2016 – June 2020

Mumbai, India

EXPERIENCE

Syracuse University

Research Assistant

September 2024 – Present

Syracuse, NY

- Reduced stockouts by developing **Tableau** dashboard to optimize inventory restocking at the university store.
- Increased event participation by 3000 students by performing Exploratory Data Analysis (**EDA**) with NumPy and Pandas to identify root causes of low attendance, uncovering actionable insights from survey data.
- Produced **40+ ad hoc reports** for various teams at Syracuse University utilizing tools like Tableau and Excel.
- Developed and deployed **Langchain GPT-4** chat model to evaluate student forums, analyzing sentiments and reviews to drive improvements in events, resulting in better event ratings.

Prompt Marketing Agency

Data Science Intern

May 2024 – August 2024

New York, NY

- Increased my client's LinkedIn profile engagement by over **80,000 users** by conducting sentiment analysis on follower interactions using Python and Tableau, delivering data-driven strategies to enhance engagement.
- Developed 5 dashboards in **Tableau** for various projects to track KPIs and visualize key insights on product performance, reviews, engagement and marketing campaigns empowering clients to make 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.
- Designed and executed **A/B tests** using statistical methods like t-test, chi-square test to evaluate the effectiveness of promotional strategies, optimizing customer acquisition and engagement for my clients.

Tata Consultancy Services

Business Intelligence Engineer

June 2020 – July 2022

Mumbai, India

- Managed 200 million daily trading transactions using **Google Cloud Platform** and **Google BigQuery** to process data across 7 different security layers through TCP/IP to ensure data integrity and secure transactions.
- Created views and stored procedures in **PostgreSQL** to process and analyze 10 terabytes of real-time trading data daily, significantly cutting manual scripting effort by 50% and reducing reporting time to managers.
- Collaborated with team members to organize and optimize data workflows across multiple servers at the National Stock Exchange using **Apache Airflow** and version control systems like **Git**.
- Built **ETL pipelines** to optimize data flow across servers, leveraging technologies such as Spark, Kafka, Redis and SQL, resulting in improved efficiency for processing 10 TB of data.

TECHNICAL SKILLS

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

Packages: Numpy, Pandas, Matplotlib, Seaborn, Langchain, Airflow, Kafka, Spark, AWS, S3

Developer Tools: VS Code, Tableau, Snowflake, Databricks, MySQL, Power BI, Redshift, AWS Glue

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](#))

LEADERSHIP

Social Wing (NGO)

Vice President

June 2018 – June 2020

Mumbai, India

- Led as Vice-President for an NGO called Social Wing and organized different activities associated with Community Service Programs and funded the education of 40 underprivileged children through these events.