

Swapnil Deore

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SUMMARY

Experienced Business Intelligence Engineer with 3 years in data science and analytical roles. Proficient in designing and implementing robust ETL pipelines and integrating complex data systems using tools like Airflow, Snowflake, and PostgreSQL. Leveraged Tableau to track and visualize KPIs, driving actionable insights and empowering strategic decision-making.

EXPERIENCE

Syracuse University

September 2024 – Present

Research Assistant, Data Science Team

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

June 2024 – August 2024

Data Science Intern, Business Intelligence Team

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

September 2020 – July 2022

Business Intelligence Engineer, National Stock Exchange Analytics Team

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.

EDUCATION

Syracuse University

August 2022 – May 2024

Master of Science, Data Science

Syracuse, NY

University of Mumbai

June 2016 – June 2020

Bachelor of Engineering, Computer Engineering

Mumbai, India

TECHNICAL SKILLS

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

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

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

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)

June 2018 – June 2020

Vice President

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.