

# Swapnil Deore

315-883-7097 | deoreswapnil@outlook.com | linkedin.com/in/swapnildeore | github.com/Swappppy

## EXPERIENCE

### Syracuse University

September 2024 – Present

#### Analyst

- Implemented PySpark ETL job on Azure Data Lake to process 10 million alumni records into Snowflake, driving 60% faster data processing for dashboard, which enhances networking opportunities between students and alumni.
- Developed Tableau dashboard connected to Snowflake to analyze sales patterns and restocking cycles, leading to data-driven inventory decisions and \$25K+ in annual cost savings through reduced overstock.
- Optimized PySpark jobs using partitioning and caching, improving cluster resource utilization in data transformations.
- Leveraged Gitlab for version control and CI/CD pipeline integration for deploying PySpark scripts and dbt models.

### Prompt

June 2024 – August 2024

#### Data Science Intern

- Led end-to-end analysis of follower interactions on the Lidl CEO's LinkedIn using SQL and LLM models; uncovered peak engagement times and top-performing content themes, leading to 80,000+ increase in profile engagement.
- Performed advanced data modeling in BigQuery, applying CTEs, window functions, and nested data handling to transform high-volume marketing data into analytics-ready views for scalable social media reporting.
- Built campaign KPI dashboards in Power BI, streamlining marketing reporting and contributing to 12% improvement in ROI through faster performance visibility and support data driven decision-making.
- Analyzed over 70K marketing interaction records using Python libraries (NumPy, Pandas, Matplotlib), performing granular EDA that surfaced high-performing segments and enabled 15% increase in ad engagement rates.
- Collaborated with cross-functional teams using Jira and Confluence to gather requirements through Business and Functional Requirement Documents (BRDs/FRDs) and deliver data-driven solutions in agile sprints.

### National Stock Exchange

September 2020 – July 2022

#### System Engineer

- Led User Acceptance Testing (UAT) for FIX API integrations with clearing corporations and broker firms, configuring message sessions and troubleshooting issues related to latency, load testing, and message delivery.
- Managed 100 million trades via FIX protocol, ensuring secure transactions and end-to-end data integrity across systems.
- Collaborated with infrastructure teams to evaluate migration of trading data archives to cloud-based storage system like AWS S3, enabling long-term retention and easier access for analytics audits.
- Developed robust checksum data validation mechanism for broker/clearing firms trades, ensuring data integrity, 100% accuracy and cutting manual reconciliation time by 70%.

## EDUCATION

### Syracuse University

Graduation: May 2024

#### Master of Science in Information Systems

GPA: 3.8/4

- Relevant Coursework: Database Systems, Data Governance, Business Intelligence, Data Visualization, Business Analytics, Data Analysis & Decision Making, Introduction to Data Science, Data Engineering
- Publication: Published paper on data mining algorithms, evaluating the Top-K algorithm's efficiency in supermarket sales analysis and demonstrated its superior 2x scalability/resource optimization over the UP-Growth algorithm. (Link)

### University of Mumbai

June 2016 – June 2020

#### Bachelor of Engineering in Computer Engineering

GPA: 3.6/4

- Relevant Coursework: Machine Learning, Data Structures, Analysis of Algorithms, Operating Systems, Object Oriented Programming, Big Data, Data Warehousing, Database Management Systems, Computer Networks

## TECHNICAL SKILLS

**Languages:** Python, SQL, HTML/CSS, R, C++

**Methodologies:** SDLC, Agile/Scrum, Waterfall

**Databases:** Databricks, Snowflake, Dbt, Redshift, PostgreSQL, Google BigQuery, CRM, SAP, MySQL, AWS Redshift, Excel

**Libraries:** Numpy, Pandas, Matplotlib, Seaborn, Airflow, PySpark, NLP, Kafka, Hadoop, PyTorch, Tensorflow

**Tools:** Git, Docker, Tableau, Google Cloud Platform, Visual Studio, Power BI, Jupyter, PyCharm, GIS, Qlik, Looker, Alteryx

**Analytics Skills:** Data Wrangling, Data Mining, Visualization, Statistical Modeling, Exploratory Data Analysis, A/B Testing

**Cloud:** AWS S3, AWS Glue, AWS IAM, Spark, Azure Data Factory, Azure Databricks, Kubernetes, Informatica, EMR