Swapnil Deore

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

EXPERIENCE

Syracuse University   September 2024 – Present
Business Data Analyst
- Implemented Databricks 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.
- Leveraged Gitlab for version control and CI/CD pipeline integration for deploying PySpark scripts and Dbt models.
- 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.

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 using DAX, 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.

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.
- Developed robust checksum data validation mechanism for broker/clearing firms trades, ensuring data integrity, 100% accuracy and cutting manual reconciliation time by 70%.
- Delivered 30+ ad hoc trading insight reports by using Excel (Pivot Tables, VBA, LOOKUPs) and Tableau, resulting in faster decision-making and improved compliance tracking, as measured by reduced turnaround time.

EDUCATION

Syracuse University   Graduation: May 2024
Master of Science in Information Systems   GPA: 3.8/4

University of Mumbai   June 2016 – June 2020
Bachelor of Engineering in Computer Engineering   GPA: 3.6/4

PROJECTS

Sentiment Analysis using Databricks | *Python, Spark, Databricks, SQL, MLflow*   March 2024 – April 2024
- Transformed 200K tweets using PySpark and Delta Lake architecture for real-time analysis.
- Deployed pre-trained HuggingFace model via MLflow for scalable sentiment classification.

Analyzing Subreddits | *Airflow, AWS S3, Redshift, Postgres, Git, Tableau*   June 2023 – July 2023
- Built real-time data pipeline to process 10K+ Reddit posts, delivering structured data to AWS Redshift via AWS S3.
- Uncovered key insights using AWS tools (Athena, Redshift) identifying 42% growth in AI/ML related topics.

TECHNICAL SKILLS

Programming and Analytics: Python, SQL, R, C++, HTML/CSS, Numpy, Pandas, Matplotlib, Seaborn, PySpark, NLP, Jupyter, PyCharm, Visual Studio, Data Wrangling, Data Mining, Visualization, Statistical Modeling, EDA, A/B Testing
Data Engineering/Big Data: Airflow, Kafka, Hadoop, Spark, Dbt, Kubernetes, EMR, AWS Glue, Azure Data Factory
Business Intelligence and Methodologies: Tableau, Power BI, Looker, Qlik, Alteryx, GIS, Git, Docker, SDLC, Agile/Scrum
Database and Cloud Platform: Databricks, Snowflake, Redshift, AWS Redshift, PostgreSQL, MySQL, Google BigQuery, CRM, SAP, AWS (S3, IAM, Glue), GCP, Azure, Salesforce CRM