Amina Diop — Analytics Engineer

Years of Experience: 5
Bachelor of Science in Mathematics

AMINA DIOP
Analytics Engineer
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SUMMARY
Dynamic Analytics Engineer with 5 years of progressive experience in data analytics, business intelligence, and data warehousing across mid■size and tech■focused companies. Adept at building scalable data pipelines, optimizing ETL workflows, and translating complex mathematical models into actionable business insights for decision makers.

SKILLS
SQL, Python (pandas, NumPy), Apache Spark, dbt, Airflow, Data Modeling, ETL Design, Snowflake, Redshift, Looker, Tableau, Unit Testing, Agile Scrum, Git, Unit of Measure Analysis

EXPERIENCE

- Architected a cost■effective, multi■cloud data lakehouse using Snowflake, dbt, and Airflow to power real■time marketing analytics.
- Transformed raw data into a unified dimensional model, reducing report generation time from 3 hours to 15 minutes.
- Developed and maintained unit tests for data transformations, achieving 95 % code coverage.
- Collaborated cross■functionally with data science and engineering teams to provide clean, production■ready datasets for machine learning models.

- Built and optimized Snowflake data models to support enterprise reporting for a nationwide logistics client.
- Automated data ingestion from multiple source systems using dbt and Spark, improving data reliability and lineage documentation.
- Conducted data quality audits and implemented validation rules across the pipeline.
- Mentored junior analysts on SQL best practices and data governance procedures.

- Designed and maintained interactive dashboards in Looker to track key performance indicators for e■commerce channels.
- Implemented automated ETL pipelines using Python and Airflow, reducing data refresh latency by 40 %.
- Applied statistical modeling techniques to predict customer churn, contributing to a 5 % improvement in retention.
- Collaborated with product and marketing teams to translate business requirements into data queries and visualizations.

EDUCATION

University of Mississippi - Oxford, MS
Bachelor of Science, Mathematics, 2019