

# Ayesha Patel — Analytics Engineer

Years of Experience: 10  
Bachelor's in Data Science

AYESHA PATEL

ANALYTICS ENGINEER

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## SUMMARY

Seasoned Analytics Engineer with 10 years of experience delivering robust data pipelines and insightful analytics across retail, fintech, and healthtech sectors. Proficient in cloud data warehousing, ETL orchestration, and advanced visualization, I turn complex datasets into actionable business intelligence.

## SKILLS

Python, SQL, Apache Spark, Airflow, AWS, BigQuery, Snowflake, Data Warehousing, ETL, Data Modeling, Tableau, Power BI, Cohort Analysis, Statistical Modeling, Basic Machine Learning

## EXPERIENCE

- Designed and maintained interactive Tableau dashboards to track sales, inventory, and customer engagement metrics across multiple business units.
- Led weekly data quality audits, improving data accuracy by 25% and reducing downstream data issues.
- Automated KPI reporting pipelines using Python and SQL, cutting report generation time from 3 hours to 30 minutes.
- Collaborated with cross-functional teams to define data requirements and refine business logic, ensuring alignment with stakeholder goals.
- Engineered scalable ETL pipelines with Apache Airflow and Spark, processing over 1 TB of daily transaction data.
- Implemented a data lake architecture on AWS S3 and Lake Formation, enhancing data accessibility for downstream analytics.
- Designed a schema migration strategy and automated quality checks that reduced ingestion errors by 40%.
- Partnered with Product and Compliance teams to enforce data governance and regulatory compliance.
- Built and maintained an optimized Snowflake data warehouse, improving query performance and reducing storage costs.
- Developed end-to-end analytic workflows using dbt and Airflow, enabling real-time insights on patient demographics and treatment outcomes.
- Integrated machine learning feature generation into the data pipeline for predictive risk scoring models.
- Collaborated with BI teams to create Power BI dashboards that support clinical decision-making across international sites.
- Implemented monitoring and alerting on pipeline health, reducing production incidents by 70%.

## EDUCATION

Bachelor of Science in Data Science  
University of Manchester, Manchester, United Kingdom  
Graduated 2014