

# Tahir Malik (Data Analyst / Engineer)

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## EDUCATION

Amity University (Gurugram, India)

Jul 2017 – Apr 2021

B. Tech in Information Technology (C.G.P.A – 8.45/10)

Relevant Coursework: Python, SQL, Big Data & Fundamentals, Economics (Minor)

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## PROFESSIONAL EXPERIENCE

Data Engineer Intern, Mactores, Mumbai

Apr 2025 - Present

- Gained hands-on experience in data engineering workflows on the Databricks Lakehouse Platform.
  - Monitored and debugged ETL pipelines with Apache Spark & Delta Lake to ensure reliability and data quality.
  - Learned how to implement real-time streaming pipelines using Kafka, Delta Lake, and Databricks Auto Loader.
  - Earned AWS Cloud Practitioner, Databricks Certified Data Engineer Associate & Professional credentials during this role.
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## PROJECTS

### Fintech Data Migration Pipeline

- Developed scalable pipelines for migrating and transforming data of a fintech company from their traditional SQL database to Azure Data Lake, ensuring data consistency and minimal downtime.
- Implemented a medallion architecture within ADLS Gen2 using PySpark & Delta Lake to effectively manage and process data, improving data accessibility and reliability.

### E-Commerce Data Streaming Analytics

- Developed a robust data pipeline leveraging Confluent Kafka to collect e-commerce clickstream and user activity data, enabling real-time analytics capabilities.
  - Combined Azure Data Lake Storage Gen2 (ADLS Gen2) with Databricks to efficiently store, cleanse, and convert raw data into formats suitable for analysis, facilitating actionable insights.
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## TECHNICAL SKILLS

**Languages:** Python, SQL, C, C++

**Big data & Fundamentals:** Hadoop, Hive, Kafka, Apache Spark, Databricks, Airflow, MongoDB, Docker, Git

**Cloud Services:** Azure Data Factory, Azure Synapse Analytics, Azure Function App, Azure Data Lake Storage, Azure Cosmos DB, Azure SQL Database, GCP Dataproc, GCP Pub/Sub, GCP Cloud Storage, Snowflake, Dimension & Fact Table, BigQuery

**Soft Skills:** Communication, Analytical Thinking, Problem Solving, Team Player, Data-Driven Decision Making

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## CERTIFICATIONS

- [Databricks Certified Data Engineer Professional](#)
- [Databricks Certified Data Engineer Associate](#)
- [AWS Certified Cloud Practitioner](#)
- [Data Engineering with Azure](#)
- [Introduction to Statistics](#)
- [Google Data Analytics Specialization](#)