Umair

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# EDUCATION

**Saylani Mass IT Training (SMIT) *Nov 2023 - Dec 2024***

Diploma in Cloud Data Engineering | Among in Top 5 Students

**University of Karachi | Governor Sindh Initiative (GIAIC) *Expected Graduation: Dec 2025***

Diploma in Agentic AI Engineering

# SKILLS

**Languages** Python (Pandas, Numpy, Matplotlib) · PySpark · SQL · TypeScript · JavaScript

**Softwares** AWS · Snowflake · Databricks · Docker · Apache Spark · Kafka · Airflow ·Web Scrapping · BeautifulSoup · Selenium · Git

· Bash · React.js · Next.js

# EXPERIENCE

**Cloud Data Engineer Intern *Sep 2024 - Present***

SAYLANI TECH *Karachi, Pakistan*

* **Built and optimized ETL pipelines** using Apache Airflow and Spark, automating data ingestion and transformation for scalable analytics.
* **Designed and implemented data models** in Snowflake, enhancing query performance and enabling real-time business insights.
* **Developed cloud-native data solutions** on AWS, leveraging S3, Lambda, and Kafka for efficient data processing.
* **Integrated and processed diverse datasets** from multiple sources, ensuring high data quality and reliability through validation pipelines.
* **Collaborated with cross-functional teams** to deliver end-to-end data solutions, improving accessibility for analytics and reporting.

# PROJECTS

**Data Warehousing & ETL Pipeline for an Online Learning Platform** | Freelance Project - [Github Repo](https://github.com/umair7228/Data-Warehouseing-for-an-Online-Learning-Platform) ***Feb 2025 - Mar 2025***

* Built a **Snowflake data warehouse** with **AWS S3** & **Apache Spark** for student analytics.
* **Automated ETL** pipeline using **Airflow** & **Snowpipe** for **real-time data ingestion**.
* Created **Power BI** dashboards to track enrollments, completion rates, and engagement.

**Pandemic Insights: ETL Pipeline with AWS Glue, Athena & Redshift** | Academic Project - [Github Repo](https://github.com/umair7228/COVID-Data-Pipeline) ***Nov 2024 - Dec 2024***

* Developed a **scalable ETL pipeline** to process and analyze COVID-19 data from **multiple sources**.
* Designed **fact** and **dimension** tables for optimized data querying in **Amazon Redshift**.
* Used **AWS Glue** and **Athena** for data transformation and insights generation.

**Event-Driven Data Processing System** | Academic Project - [Github Repo](https://github.com/umair7228/event-driven-architecture) ***Nov 2024 - Nov 2024***

* Designed an **event-driven architecture** using **AWS** SNS, SQS, Lambda, and S3.
* Enabled **real-time data processing** through event triggers and message queues.
* Optimized data handling and response times for dynamic event flows.

**Real-Time Stock Market Data Pipeline** | Academic Project - [Github Repo](https://github.com/umair7228/stock-market-data-pipeline-with-kafka-and-aws) ***Oct 2024 - Nov 2024***

* Developed a **real-time** stock data pipeline with **Apache Kafka** and **AWS**.
* Integrated **Glue, Athena**, and **Crawlers** for scalable storage and queries.
* Ensured timely access to market data for analytics.

**Real-Time Data Pipeline with SCD Implementation** | Academic Project - [Github Repo](https://github.com/umair7228/Real-Time-Data-Pipeline-with-AWS-NiFi-and-Snowflake) ***Oct 2024 - Oct 2024***

* Created a synthetic data pipeline using **Python** and **Apache NiFi** for Amazon S3.
* Implemented **Slowly Changing Dimensions (SCD) Type 1 & 2** for data evolution tracking.
* Used Snowpipe for seamless data ingestion into **Snowflake** for efficient updates.

# COURSES & CERTIFICATIONS

**Data Engineering | Data Warehousing *Snowflake***

**Associate Data Engineering in SQL | Python *DataCamp***

# KEY ACHIEVEMENTS

**Promoted To Junior Instructor - Cloud Data Engineering *Jan 2025 - Present***

SMIT *Karachi, Pakistan*

* Mentoring and training aspiring cloud data engineers on AWS, Snowflake, ETL workflows, and real-time data processing.