Mohammed Al-Farsi

Dubai, UAE

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Education

Khalifa University

Master of Science in Computer Engineering

Sep 2018 – May 2020 | Abu Dhabi, UAE

GPA: 3.9/4.0

Activities: Smart City Research Group, Autonomous Systems Lab Assistant, IEEE Student Branch Vice Chair

Relevant Coursework: Big Data Analytics, Data Warehousing, Business Intelligence, Data Visualization, ETL Processes, Data Governance, Advanced SQL, NoSQL Systems

Bachelor's Degree: B.S. in Computer Science, United Arab Emirates University, GPA: 3.85/4.0

Work Experience

Data Engineer | Dubai Smart City | Jun 2020 - Present | Dubai, UAE

- Architected data lake solution processing 5TB+ daily from 1,000+ IoT sensors and municipal systems.

- Designed and implemented ETL pipelines integrating data from heterogeneous sources including traffic, utilities, and public services.

- Developed real-time analytics platform providing actionable insights for city management and emergency services.

- Created data governance framework ensuring compliance with privacy regulations while maximizing data utility.

Skills

Data Engineering: ETL/ELT, Data Warehousing, Data Lakes, Data Pipelines, Stream Processing

Big Data: Hadoop, Spark, Kafka, Hive, Flink, Airflow, NiFi

Databases: Snowflake, BigQuery, Redshift, SQL Server, PostgreSQL, MongoDB, Cassandra

Cloud: AWS (EMR, Glue, Redshift), Azure (Synapse, Data Factory), GCP (BigQuery, Dataflow)

Data Modeling: Dimensional Modeling, Data Vault, Schema Design, Metadata Management

Languages: Python, SQL, Scala, Java, Shell Scripting

Other: Data Governance, Data Quality, Master Data Management, Data Catalogs, Data Lineage

Certificates

Snowflake Certified Data Engineer

AWS Certified Data Analytics – Specialty

Google Cloud Professional Data Engineer

Databricks Certified Data Engineer

Awards

Data Innovation Award – UAE Smart Cities Council 2023

Best Data Architecture – Middle East Data Excellence Awards 2022

Top Data Engineering Solution – Gulf Technology Forum 2021