

# Mohammed Al-Fakih

Data and Analytics Engineering



## Personal details

-  Mohammed Al-Fakih
-  mohammedalfakih23@gmail.com
-  Amsterdam, Netherlands
-  mohammed-dev-five.vercel.app
-  linkedin.com/in/  
mohammed-alfakih-51922635a
-  github.com/  
mohammedalfakih-dev
-  Available around 16 hours/week
-  Unrestricted work permission  
in the Netherlands

## Skills

### Data

Python, SQL, PostgreSQL, pandas, Pydantic, API ingestion, ETL/ELT, data quality

### Modelling and workflows

dbt, Airflow; coursework with Databricks, PySpark and Delta Lake

### Cloud and delivery

Azure, Blob Storage, Container Registry, Docker, Git, GitHub Actions

### Testing and reporting

pytest, Ruff, Streamlit, Metabase

## Languages

Arabic: Native  
English: IELTS Academic 6.5  
Dutch: B1

## Profile

My curiosity about computers began with the questions I asked my father while he worked. I still enjoy discovering new technology and explaining it clearly to others, as I did with school subjects when helping classmates. In our HYF events project, I loved delivering the data my teammates needed to bring the app to life. That feeling draws me to data engineering: turning messy information into data people can use. I want to build reliable pipelines and become a colleague others can trust with their data. Outside work and study, I enjoy online gaming with friends and meeting new people through shared games.

## Selected Projects

### Loc Events

[Repository](#) [Demo](#)

#### HYF team project - data engineering contribution

- Built Ticketmaster ingestion with Python and Pydantic, date-window pagination and event-ID deduplication to supply external events to the app.
- Changed PostgreSQL publishing to a transactional refresh that preserved backend views, permissions and indexes; integrated publishing into Airflow.
- Contributed a Streamlit health page showing event coverage and data freshness.

### Dutch Bike Weather Pipeline

[Repository](#)

#### Individual HYF project

- Built weather ingestion for five Dutch cities with Pydantic validation, pandas cycling scores, PostgreSQL upserts and raw JSON storage in Azure Blob Storage.
- Containerised the pipeline with Docker and added pytest, Ruff and GitHub Actions checks, plus image publishing to Azure Container Registry.

### NYC Taxi Analytics Pipeline

[Repository](#)

#### Individual HYF coursework - integrated Weeks 9 to 12

- Integrated monthly PostgreSQL ingestion, SQL quality audits, dbt marts, Airflow orchestration and Streamlit reporting in a local Docker project.
- Validated a local January 2024 public-data load: 56,549 raw records yielded 56,367 accepted trips, with all 14 dbt data checks passing.

## Education

### BSc Artificial Intelligence

Sep 2026 - Present

[Vrije Universiteit Amsterdam, Amsterdam](#)

### Core Program and Data Engineering Track

2025-2026

[HackYourFuture](#)

- Core and Data Track completed; Career Track ongoing.

### VASVU Pre-University Program

Completed 2024

[Vrije Universiteit Amsterdam, Amsterdam](#)

### High School Diploma

2020

[Yemen](#)