Aymane MAGHOUTI

DATA ENGINEERING STUDENT

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https://aymane-maghouti.github.io/

Open to remote work

PORTFOLIO

@aymane-maghouti

@aymane-maghouti

LANGUAGES

Arabic
Native

French
intermediate

English
intermediate

TECHNICAL SKILLS

Programming languages
Java
Python
HTML/CSS , JS (Web programming)
SQL - PL/SQL
shell (Basic notion)

Database
MYSQL
Oracle (sql developer)
Microsoft SQL Server

Operating systems
Linux (Ubuntu)
Windows

Data Warehouse
Google BigQuery
Snowflake

INTERESTED

Sport (football , basketball ...)

video games

I am currently pursuing my studies in data engineering at the national school of applied sciences al Hoceima and I am actively looking for an end-of-year internship opportunity in the field of computer science / data engineering.

EDUCATION

Data Engineering
Since September 2022
National School of Applied Sciences of Al Hoceima Al Hoceima

Preparatory cycle
From September 2020 to June 2022
National School of Applied Sciences of Al Hoceima Al Hoceima

baccalaureate of Science in Physics and Chemistry
From September 2018 to June 2019 high school 2 octobre 1955 Aknoul

LATEST PROJECTS

Sales data pipeline

- **Python**: For data extraction and transformation.
- **Apache Airflow**: To orchestrate the ETL pipeline.
- **Docker**: To run the Apache Airflow instance in a container.
- **Google Cloud Platform (GCP)**: For BigQuery data warehousing.
- **Looker Studio**: For creating the dashboard.

Human Resources data pipeline

- **Oracle Database & PL/SQL** : as a data source and for data cleaning
- **Informatica** : for data integration
- **Snowflake** Data Warehouse : for store the transformed data
- **Power BI** : for creating the dashboard.

YouTube data pipeline

- **Python** & Pandas: Used for data extarction & transformation.
- **Snowflake** Data Warehouse: Used as the central repository for storing.
- **Power BI**: used for creating interactive dashboard.

Jumia data pipeline

- **BeautifulSoup** for extracting data from the Jumia website
- **Pnadas** for storing it in an Excel file
- **SQLAlchemy for** transferring the data to a **PostgreSQL** database

Machine Learning From Scratch

- This project implements various machine learning algorithms from scratch using **Python** and **NumPy**, without relying on external libraries such as TensorFlow, Keras, or scikit-learn. The implemented algorithms include classification, regression, clustering, and basic neural network models.

Real time Computer Performance Dashboard

- **Python** for Real-time Data Capture
- **MySQL** and **SQL Server** for Data Storage
- **Power BI** for Data Visualization

Contact and Group Management Desktop Application

- **Java** desktop application for contact and group management
- **MySQL** as a database management system (DBMS)
- **JavaFX** framework to create a graphical interface