Aymane MAGHOUTI

DATA & SOFTWARE ENGINEERING STUDENT

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Date of birth 05/07/2002

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Open to remote work

Moroccan

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

PORTFOLIO

@aymane-maghouti

@aymane-maghouti

LANGUAGES

Arabic
Native

French
intermediate

English
intermediate

TECHNICAL SKILLS

Programming languages & Frameworks
Python - Flask - Java - JEE - Spring - Spring MVC - Spring DATA JPA - Hibernate - Spring Boot - Javafx - HTML/CSS - Java script - ReactJS - SQL - PL/SQL - Shell (Basic concept)

Databases
MYSQL - Oracle - PostgreSQL - SQL server DB - Mongo DB - Cassandra DB - ClickHouse

ML & DL & Data Science
Scikit Learn - Tensorflow - Regression - Classification - Clustering.

Big data tech & BI tools
Hadoop - Hive - Spark(PySpark) - Kafka - Power BI

Data Warehouse
ETL - Data modeling - Data integration

ML & DL & Data science
Scikit Learn - Tensorflow - Regression - Classification - Clustering.

Operating systems
Linux (Ubuntu)
Windows

INTERESTED

Learn new technologies

Sport (football , basketball ...)

video games

I am currently enrolled in an academic course at the National School of Applied Sciences of Al Hoceima, where I enthusiastically dedicate myself to the fields of computer science and data engineering. My educational background enables me to delve deeply into the intriguing concepts, challenges, and opportunities associated with these dynamic fields. I am actively seeking an end-of-year internship in the fields of Data Science/Engineering and Software 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

Real-Time Pice Predictionin in Big Data Environment (Lambda architecture)

- **Apache Kafka**: for data ingestion.
- **Apache Hbase**: for storing real-time transactions.
- **PySpark**: for batch processing and transformation.
- **HDFS**: for store raw data ingested from Kafka.
- **ClickHouse**: for storing transformed data from batch processing.
- **Apache Airflow**: for orchestrating the batch layer
- **Spring Boot(Java)**: for building the real-time dashboard (Web-App).
- **Power BI**: for data visualization.

Patents analysis in big data environnement

- **beautifulsoup and APIs** : for collecting the data from various sources.
- **HDFS & MongoDB atlas** : for data storage (on premise and cloud).
- **Apache Spark** : for data analysis.
- **Power BI** : data visualization.
- **Flask & Bootstrap & JS** : web application for searching patents in a customized manner and selecting patents for analysis.

Sentiment analysis for Jumia reviews & Smartphones price prediction system

- **Python (Scikit Learn, pandas ...)** : for data preprocessing and training models.
- **FLask & HTML/CSS & JS** : for the development of web applications.
- **Mysql** : for data manipulation.

The development of a Java web application for Contacts management

- **Java- JEE(Spring - Spring Data JPA - Hibernate)** : for the development of the backend of the app.
- **ReactJS**: for the development of the frontend of the app.
- **MYSQL** : as a database management system (DBMS).

Human Resources data pipeline

- **Azure data Factory**: for building data pipeline
- **Azure Blob Storage**: the data storage solution.
- **Azure Databricks (PySpark)** : for data transformation.
- **Power BI** : for data visualization.

The development of a Desktop Java application for Contacts management

- **Java** : for the backend of the application.
- **Javafx** : for the frontend of the application.
- **MySQL** : as a database management system (DBMS).

Mobile Data Analysis

- **MySQL** : the data source.
- **Apache Sqoop**: transferring the data between MySQL and Hive .
- **Apache Hive** : the datawarehouse solution.
- **Power BI**: for creating the dashboard.