



Haitam AOURARH

📅 23 years old

🏠 Casablanca, Morocco

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Social networks

🌐 @haitam-aourarh

🐙 @haitam-aourarh

Languages

Arabic

Native language

French

Bilingual

English

Fluent

Soft skills

Curiosity

Efficient research

Perspicacity

Attention to detail

Adaptability

Business Acumen

Emotional intelligence

Teamwork

Analytical thinking

Problem-solving

Critical thinking

Bias awareness

Eloquence

Findings delivery and storytelling

Certifications

Google Data Analytics Professional Certificate

from Google

Verifiable with: [BDEE7LCUK9NA](#) or visit my [Credly](#) profile.

HCIA Cloud Computing Certificate

from Huawei

Verifiable with:

[010100802808438891051548]

Education

Engineering degree: Information Systems and Big Data Engineering

From 2019 to 2023 National School of Applied Sciences Berrechid, Morocco

Classes Préparatoires aux Grandes Écoles: Maths - Physics

From 2017 to 2019 Lycée Omar Ibn Al-Khattab Meknès, Morocco

Baccalauréat international: Physics - Chemistry

From 2015 to 2017 Lycée La Préférence Meknès, Morocco

First-class honors

Work experience

Big Data Engineer [End-of-studies project internship]

From March 2023 to July 2023 Banque Centrale Populaire Casablanca, Morocco

Implementation of a data lake architecture which aims to migrate from a traditional data warehouse, in order to assess the performance of the banking network at the international level.

- Extracting and loading data with Apache NiFi into HDFS.
- Data preprocessing and transformation with Apache Spark.
- Loading tables on Apache Hive.
- Creation of interactive dashboards with Power BI.

Techniques & Tools: ELT, Apache NIFI, HDFS, Spark, Hive, Docker, MS Power BI.

Data Analyst [Applied internship]

From June 2021 to August 2021 National Road Safety Agency Meknès, Morocco

- Implementation of Dijkstra's algorithm as a solution to a shortest path problem on a highway.
- Data cleaning and processing to optimize the placement of traffic control cameras on a highway.

Techniques & Tools: Pandas, NumPy, Matplotlib.

Business Intelligence Analyst [Initiation internship]

From June 2020 to August 2020 ENSAB Berrechid, Morocco

Design of a data Warehouse and creation of a dashboard with Tableau to monitor the progress of Covid-19 variants.

Techniques & Tools: ETL, OLAP, MS SQL Server, SSIS, SQL, Tableau.

Recent Projects

Big Data Analytics | Building an end-to-end data pipeline

From November 2022 to January 2023 ENSAB Berrechid, Morocco

- Establishing a lambda architecture for football match data (API, CSV).
- Visualize everything on a web interface with a prediction of the team most likely to win.

Techniques & Tools: Kafka, HDFS, SparkML, LSTM, Django, HTML, CSS, JS.

Deep Learning | Classification of olive tree diseases

From September 2022 to November 2022 ENSAB Berrechid, Morocco

- Preprocessing and Train-Valid-Test distribution of a local olive tree images dataset.
- Conception of the CNN model for disease classification.
- Realization of a graphical interface which takes as input the image of the olive tree and returns the appropriate diagnosis.

Techniques & Tools: CNN, Tensorflow, Keras, Numpy, Scikit-Learn.

Competences

Big Data: Apache Hadoop, Spark, Nifi, Kafka

RDBMS: MySQL, Oracle, PL/SQL, MS SQL Server, PostgreSQL

No-SQL: MongoDB, CouchDB, Apache Hive, Apache Cassandra

Programming: Python, Scala, R, Java

Virtualization: VM, Docker

Visualization: Power BI, Tableau

Machine Learning: Linear Regression, K-Means, Random Forest, RNN, KNN, CNN