

HAMMANI Mohamed

Junior Big Data and Data Science engineer looking for a new opportunity

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HAMMANI Mohamed

Canada- Sherbrooke

Professional Experience

Orange Business - Data Engineer

15 January - 15 July 2024

The primary objective of this project is for me to develop a new data pipeline aimed at migrating two reporting applications.

- Our goal is to carry out this migration using a variety of technologies. Among these, we rely on tools such as :
 - Big Data : Hadoop HDFS, Hive, Cassandra, Spark/Scala, Apache OOOZIE
 - Data vis : PowerBI
 - Front-end : Angular 16
- This project gives me the opportunity to develop my skills in a practical environment while immersing myself in essential technologies for the reporting and application migration domain.

NOVEC - CDG Group

June 20 - August 20, 2023

Analysis of an e-commerce website sales

- Data integration and transformation with **Talend**.
- Creation of a **Deep Learning** model for text classification and handling missing values using **BERT** and **TensorFlow** (Tokenization, fine-tuning, model training).
- Creating a **Machine Learning** model to extract product dimensions and colors.
- Creating graphs and charts for an overall sales analysis - **Power BI**: temporal evolution, category and subcategory analysis, vendor analysis.
- **Predicting** factors influencing the volume and sales evolution for specific products.
- Implementing these charts in a **Power BI** dashboard.

HACA - High Authority for Audiovisual Communication

June 15 - August 15, 2022

Development of a hybrid mobile application (Android/IOS) for complaint management.

- Front-end : **Angular-Ionic**
- Back-end : **Spring Boot** (Restful services, JPARepository, Spring Data, JPA, Hibernate)
- Data base : **Microsoft SQL Server**
- **Protocol (HTTP) / JSON Format**

Certifications:

- **AWS Certified Machine Learning - In Progress**
- **Microsoft Power BI Data Analyst Professional Certificate - In Progress**
- **Microsoft Data Engineer Associate - In Progress**

Favorite Quote

“ Nothing will work unless you do “

Work Tools

Big Data and Data Visualization

- Power BI (DAX) - Excel
- Apache Hadoop - HDFS, Hive, Cassandra
- Apache Spark (PySpark)
- Apache OOOZIE, Airflow
- ETL / ELT Processus

Data Science

- **Neural Network Architecture.**
- **Build, train, fine-tune Models: TensorFlow, PyTorch and Keras.**
- **Data Preprocessing and Feature Engineering.**
- **Computer Vision and NLP.**
- **Model Evaluation and Deployment**

Skills

- **Accurate Data modeling and Analysis**
- **Precise Project managing**
- **Excellente communication and collaboration skills**

Education

M.S. in Artificial Intelligence and Data Science.

Sherbrooke University - UDS

2024-2025

Sherbrooke - canada

Engineer - Big Data, Data science and BI

Internationale University of Rabat

2019-2024

Rabat - Morocco

M.S. (exchange program) - computer science

Sorbonne University - SU

2022-2023

Paris - France

Languages

| | |
|---------|----------|
| English | Fluent |
| Arabe | Native |
| French | Advanced |