

EDUCATION

Master of Information Systems and Intelligent Systems

The National Institute of Statistics and Applied Economics

Aug. 2021

Morocco, Rabat

Bachelor of Mathematical and Computer Science

Cadi Ayyad University

Jul. 2019

Morocco, Marrakech

TECHNICAL SUMMARY

Data Science	Scikit-learn, TensorFlow, SPSS, MLflow, DVC, PowerBI, Tableau, Pandas, AWS/Azure services
Languages	Python, Java, C/C++, JavaScript, PHP, Bash, SQL & PL/SQL, Prolog, Lisp, HTML, SCSS
Tools and Technologies	Git, Git-Hub, Docker, JIRA, Notebooks, databricks, Pytest, Django, Flask, Laravel
Big Data Stack	Spark, Hadoop, Kafka, Hive, Pig, Sqoop, Zookeeper, Airflow, ElasticSearch
Databases	Oracle, MySQL, SQL SERVER, PostgreSQL, MongoDB, Casandra
Modeling Languages	UML, Merise2, BPMN
Communication	English (93 TOEFL), French (Bilingual), Arabic (native)

TECHNICAL EXPERIENCE

Data Science Intern / Creation of a Big Data Platform for Fraud Detection

SI2M laboratory

Mar. 2021 — Sep. 2021

Morocco, Rabat

- Developed and maintained tools and pipelines for automating big data processes using Docker, Apache Airflow, Kafka, Spark, Python, and SQL.
- Constructed and trained machine learning models such as Classification, Cluster Analysis and Segmentation using MLlib and TensorFlow. And served the final version of the model on a REST API using the *tensorflow/serving* docker image

Data Science Intern / Creation and Deployment of ML Models

The Good Data Factory

Sep. 2019 — Oct. 2020

Morocco, Rabat

- Developed and implemented predictive modeling, statistical analysis, machine learning, data mining and other aspects of data analytics. I also constructed ML algorithms such as Regression, Classification, Cluster Analysis, Segmentation, Time Series and A/B testing to collect, explore and extract insights from structured and unstructured data using Spark and Python.
- Built DW solutions with custom ETL scripts in Python to extract and house data from multiple sources.

BI Engineer Inter / Design and implementation of a Data Warehouse

OCP—S.A.

Mar. 2019 — Jul. 2019

Morocco, Khouribga

- Participated in all parts of ETL development and building data pipelines such as data mining, data collection, data cleaning, developing models, validation, visualization, performed gap analysis and data identification.
- Translated the business requirements and performed ETL into the applications.
- Created interactive reports and visualization using advanced techniques in Tableau and PowerBI.

Technician

Pluriel Informatique et Communication

June. 2018 — Dec. 2018

Morocco, Marrakech

- Participated in all parts of the installation and configuration of Linux/Windows 10/ Windows server 2016 on server and host computers. Designed networks, connected and fixed hardware like printers and touch screen ordering machines

PERSONAL PROJECTS

Modern Data Warehouse for Covid-19

Web Service Coupons Scrapper for Udemy

— Azure Data Lake Store, Data Factory, SQL Server, PowerBI

— AWS Hosting, J2EE, Apache Axis2, Apache Tomcat, SOAP

CERTIFICATIONS & AWARDS

Neural Networks and Deep Learning

Jan. 2022

Data Engineering with Databricks

Mar. 2021

Scalable Machine Learning with Apache Spark

Mar. 2021

Big Data Engineer—Mastery Award

Feb. 2021

Big Data Engineer—Explorer Award

Feb. 2021

The 2020 Moroccan Collegiate Programming Contest

Sep. 2020