AYOUB BERRAG

LEGAL PERMANENT RESIDENT (GREEN CARD HOLDER)
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Education

MASTER'S DEGREE, BIG DATA ANALYTICS AND SMART SYSTEMS

Sidi Mohamed Ben Abdellah University, Fez, Morocco   May 2020
Total Credit: 66.5   GPA: 3.8   WES US Equivalence: Master in Data Science and Analytics

BACHELOR'S DEGREE, MATHEMATICS AND COMPUTER SCIENCE

Mohamed Premier University, Oujda, Morocco   May 2018
Total Credit: 133.0   GPA: 3.3   WES US Equivalence: Bachelor in Mathematics and Computer

Professional Experience

MINISTRY OF INTERIOR   Oujda, Morocco
Data Analyst - Full time   March 2021- February 2023

- Conducted data analysis and created reports using SQL and Excel that were used by senior management to make informed decisions, resulting in improved organizational efficiency.
- Managed a regional team of 22 in implementing a standardized project management methodology and a PowerBI-based project management dashboard.
- Collaborated with cross-functional teams to develop and implement an employee performance tracking system that increased employee productivity and improved organizational efficiency.

Technical Skills

Data Analytics: PowerBi, Tableau, Excel**.**
Business Intelligence: Talend, QlikView, ETL Staging Area, ODS, Data warehousing.
Data Mining: Supervised and unsupervised Learning, Deep Learning, Computer Vision, Federated Learning, Case Study.
Big Data: Apache Ambari, Hadoop and HDFS, MapReduce, HBase and Apache Spark.
Programming: Python, R, Java, C++, C, SQL.
Soft Skills: Teamwork, Time management, Problem-solving, Creativity, Leadership.
Languages: English, French, Tamazight, Arabic.

Certification

Big Data Engineer - Mastery Award 2018, IBM   **February 2020**
Data Analysis Graduation Certificate, Udacity   **December 2019**

Publication

PyFed: Extending PySyft with N-IID Federated Learning Benchmark.
PyFed is a benchmarking framework for federated learning extending PySyft, in a generic and distributed way. that supports different aggregations methods and data distributions (Independent and Identically Distributed Data (IID) and Non-IID), including Deep Learning Algorithms (CNN, LSTM, GRU).