Abderrahmane MOHAMMEDI

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I am a Data Scientist Apprentice at EssilorLuxottica and a student at Université Paris. With a degree in Industrial Engineering from Ecole Polytechnique, I possess a unique set of skills that allows me to solve both business and industrial use cases using advanced data analytics techniques.

Academic Education

Université Paris Cité (Ex Descartes)
Paris, France

Master 2 Machine Learning for Data Science
Oct 2022 - June 2023

- **Main courses:** Machine Learning, Deep Learning, Dimensionality reduction, Natural Language Processing, Recommendation systems, etc.

Ecole Nationale Polytechnique
Algiers, Algeria

Double diploma Engineer and Master 2 in Industrial Engineering, option: Industrial Management
Sept 2017 - June 2022

- **Main courses:** Supply Chain Management, Business Intelligence, Operational research, Lean Management, Six Sigma, etc.

Professional Experience

EssilorLuxottica
Créteil, France

Data Scientist - Apprentice
Nov 2022 - Sep 2023

- Led an end-to-end Voice Analytics project, which involved transcribing audio, anonymizing text and audio, developing reason of call classification model, and customer sentiment analysis.
- Determined the causes of product returns in the United States of America, with the project estimated to have an impact of 50M$.

SLB (Ex Schlumberger)
Algiers, Algeria

Data Scientist - Intern
March 2022 - July 2022

- Estimated lead times related to the import process using Machine Learning algorithms and the CRISP-DM methodology.
- Generated data using Deep Learning methods (CTGAN and TVAE).
- Developed a Power BI dashboard to monitor the performance of the import process.

Siemens SPA
Algiers, Algeria

Data Scientist - Intern
Nov 2021 - January 2022

- Analyzed various purchase orders created on SAP.
- Implemented a brand detection model using Natural Language Processing techniques such as Name Entity Recognition with Bi-LSTM.

Numidis
Algiers, Algeria

Supply Chain Analyst - Intern
May 2021 - July 2021

- Solved a stock management problem by designing a gap analysis tool using Python.
- Designed a forecasting model using Facebook Prophet for a specific shelf in hypermarkets.

Kairos Club
Paris, France

Fullstack Developer - Freelance
Oct 2020 - Sep 2021

- Implemented digital solutions, including dashboards for data visualization, aggregation, and interpretation.
- Modeled and optimized large databases as part of the company's digital transformation and developed APIs to communicate with multiple data sources (EDI orders, ERP, etc.).

AITech
Algiers, Algeria

smart ERP Implementation - Intern
March 2021 - April 2021

- Implemented a process for technological innovation to identify innovations in the agricultural field and intelligent ERP systems.
- Developed a Proof of Concept for an intelligent ChatBot using NLP2SQL and Python.

Competitions

Mars 2021 **8ème/266**, UmojaHackAfrica : Sendy - Delivery Rider Response Challenge   *Online, Zindi*

Juil. 2020 **1er/89**, UmojaHackAlgeria : Yassir ETA Prediction Challenge   *Online, Zindi*

June 2020 **23ème/872**, Prohack : Data Science competition organized by McKinsey   *Online, Mckinsey*

Skills

Data Science   Python (Pandas, PyTorch, TensorFlow, NumPy, Scikit-learn, etc.), SQL, Databricks, PySpark, Machine Learning, Natural Language Processing (NLP), and Deep Learning.

Others   Git, Microsoft Office, Power BI, PHP, HTML/CSS, JavaScript.

Linguistic skills

French : Advanced (TCF C2)   **English :** Advanced (TOEIC 950/990)   **Arabic :** Native Language