

Chaimaa Atraoui

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📍 FRANCE

in [chaimaa-atraoui](#)

Summary

AI enthusiast, with a strong background in **Computer Science** and **Statistics**. I am a **Data Scientist** determined to contribute to the constant evolution of this field and ready to take on new challenges.

Education

Agro Rennes-Angers Institute

Rennes, France – Sept. 2022 to Dec 2023

Master of Science in Data Science

National Institute of Statistics and Applied Economics

Rabat, Morocco – Sept. 2019 to Jul 2022

State Engineer degree in Data and Software Engineering

Experiences

Markem-Imaje, Data Scientist, Intern

Valence, France – Feb. 2023 to Aug 2023

- Forecast machines failures by implementing Machine Learning algorithms.
- Implemented different results in PowerBi dashboards and synchronized the code in the GIT/DevOps repository.
- Tested and validated multiple ML/DL models for predictive maintenance such as : SVM, LSTM, XGboost, etc.

Banque Centrale Populaire, Data Scientist/WebMethod dev, Intern **Casablanca, Morocco –Mar. 2022 to Aug. 2022**

- Realized an Intermediate ESB between customs systems and the bank and publication of SOAP/REST/HOST web services using SoftwareAG tools.
- Created graphical interface and PowerBi dashboards for management, monitoring, and analysis of exchanges between systems plus data integration.
- Participated as main contributor to the API Management project.

Ministry Of interior of Morocco, Data Scientist, Intern **Morocco, – Summer 2021**

- Conducted comprehensive data analysis for all participating cooperatives in the USAID program and identified eligible candidates for financial aid using Python and IDinsight.
- Created a PowerBI dashboard to monitor the results.

Skills

Programming Languages: Python, R, SQL, NoSQL, JAVA, Scala, SAS, JavaScript.

Tools/Expertise: ML/DL, NLP, MS Azure, Power BI, Postgres SQL, Airflow, AWS, Oracle Database 19c.

Python Libraries:Pandas, Numpy, scikit-learn, Tensorflow, Keras, Seaborn, Flask,Django, chatterbot, RASA.

Other: GIT, DevOps, SCRUM, Agile, UML, Merise, BPMN, PowerApps.

Languages: English, French, Arabic.

Academic Projects

Red light sign detection

- Detection of traffic light signs as well as the displayed color: red, orange, or green using various ML and DL models
- Tools: Python, Deep Learning algorithms: CNN, SVM, RF

Time series forecasting

- Tesla, Inc. stock action modeling using both R and Python languages
- Tools: Python, R, AR, MA, ARIMA Models.

Inference of cell deconvolution models

- Estimation of cell type proportions within a set of bulk RNA- seq samples from different cells using various algorithms
- Tools: R Language, OLS, RLR, DeconRNA Seq, data analysis algorithms.

Certifications

Big Data Engineer Mastery Award by [IBM](#)

Deep Learning fundamentals by [IBM](#)

Machine learning with Python by [IBM](#)

Database design and programming with SQL by [Oracle Academy](#)