

MOHAMED HMINI

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INTRODUCTION

Experienced MLOps Engineer with a 2-year background in Data Science, Data Engineering, and DevOps with Degrees in Software Engineering and Intelligent Systems. I love problem solving but most importantly novelty when it comes to challenges, My cross-disciplinary skills help me to communicate effectively with other colleagues for better work efficiency. Actively seeking full-time MLOps/DevOps positions.

EXPERIENCE

1. MLOps Engineer

Jan 2023 - Present
Llandudno, UK

CGG Services

- Productionizing our ML system.
- Building an end-to-end model deployment CI/CD template to be used to deploy all of our models by enforcing the use of best practices such as registering models in mlflow.
- Building a tool to be used for model monitoring in production: an alibi-detect based tool that can be integrated with the model deployment CI/CD template to monitor models in real time.
- Optimizing legacy algorithms by migrating to Spark.
- Tools: Python, Spark, K8S, Docker, Gitlab CI/CD, Azure, Nuclio, Neo4j, Prometheus, Grafana, Mlflow, etc

2. Data Engineer

Apr 2022 - Jan 2023
Llandudno, UK

CGG Services

- DevOps, coming up with adequate git branching strategies, helping with setting up CI/CD pipelines, dockerizing software.
- ML, modeling, building, testing and deploying machine learning models.
- Tools: Docker, Gitlab CI/CD, Python, Plotly Dash, Pytorch, etc

3. Data Engineer

Jan 2022 - Mar 2022
Casablanca, Morocco

EVEAD Group

- Building a google search based sitemap generator using selenium.
- Mimicking human behavior while browsing (dodging bot detections).
- Tools: Python, Selenium, Docker

4. Machine Learning Intern

Mar 2021 - Sep 2021
Bordeaux, France

LaBRI

- Synthesis and learning of boolean networks for predicting cellular differentiation.
- Creating Different Boolean Networks' Embedding techniques to allow for a multilevel view of the same Boolean Networks' ensemble.
- Applying Feature Selection techniques to isolate the good Boolean Networks.
- Resynthesize new Boolean Networks using the learned rules.
- Using Machine Learning to Optimize a rule-based symbolic A.i system.
- Contributing to [BNeDiction](#) code base.

EDUCATION

Master's Degree in Information Systems And Intelligent Systems (M2SI)

INSEA, Morocco 9/2019 - 9/2021

Bachelor's Degree in Information Systems And Big Data (BDSI)

ESTS, Morocco 9/2018 - 6/2019

Associate's Degree in Software Engineering

ESTM, Morocco 10/2016 - 6/2018

SOME PROJECTS

[D-PandiSIM](#) early 2021

Big data based pandemics distributed simulator, scoring network nodes using inverse PageRank.

[Paysim Fraud Detection](#) late 2020

Fraud detection using VAE and BNN networks, generating distributions of the output.

[TweetsOLAPing](#) early 2020

Implementing an end-to-end tweets ETL/Analysis pipeline.

[IntelliWebWrapper](#) early 2019

Intelligent web content extraction, extracting the main List Region (list of products).

SKILLS

Programming Languages: Python, Java, C, JavaScript, Prolog, Clingo, Lisp, SQL, etc

Programming Paradigms: Procedural, OOP, Functional, Distributed, Concurrent and Probabilistic

ML/Data Manipulation: Numpy, Pandas, Matplotlib, Seaborn, Sklearn, Pytorch, Pyro, Scrapy, SHAP, etc

Productionizing: Git versioning Strategies, Docker, Kubernetes (k8s), Helm, Gitlab CI/CD, Azure, Mlflow

Other Skills: Optimization techniques, Symbolic A.i, Statistics, Machine Learning, Explainable A.i, Game Theory, Web Crawling, NoSQL, etc

Other Tools: Pyspark, Nuclio, Mlrun, Triton, LabelStudio, Alibi-Detect, Neo4j, etc

Languages: English, French, Arabic