IBRAHIM LAHLOU

End of Studies internship | Starting February

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EDUCATION

Data Science and Cloud Computing Engineering
ENSA Oujda | Mohammed First University

📅 September 2021 – Present   📍 Oujda, Oriental

Preparatory Cycle (Science and Engineering)
ENSA Oujda | Mohammed First University

📅 September 2019 – June 2021   📍 Oujda, Oriental

EXPERIENCE

MLOps Application Internship using NLP
3D Smart Factory

📅 July 2023-September 2023   📍 Morocco, Mohammadia

- Analysis of data verification and spelling models.
- Design of a pipeline for an NLP model with metrics.
- Development and deployment of a web interface with Flask.
- Github URL: IbLahlou/SpellX

`Docker` `Scrum` `Python` `Flask` `AWS` `DVC`

PERSONAL PROJECTS

Analysis of Web Application Log Data
Big Data Project   **(ongoing)**

- Installation and configuration of Hadoop master-slave architecture.
- Configuration of Flume for log data ingestion into HBase.
- Github URL: IbLahlou/Data-Log-analysis

`Docker` `Hadoop` `Flume` `HBase` `Python` `InfluxDB` `Grafana`

MLOps Pipeline for ElasticNet Regression
Data Mining and MLOps Project

- Incremental data ingestion to Google Cloud Storage.
- Continuous integration, deployment,& training of the model & application.
- Github URL: IbLahlou/ElasticNet-model-e2e

`Python` `GCP` `Airflow` `Docker` `Flask` `Scikit-learn` `MLflow`

Other Projects:

- Statistical Project | Stochastic Modeling for Regression | Link
- Geospatial Analysis Project using Spatial Autoregressive Model | Link
- IoT Project | Food Preservation Service | Link
- Prototype of Backends for Frontends with GraphQL | Link
- Web Project | Development of an E-Commerce application with PHP and Wordpress

ACHIEVEMENTS

🏆 **Participation in MNPC 22**
National Moroccan Programming Competition held at 1337 Khouribga.

`Problem Solving` `Code Optimization`

👥 **Participation in several activities**

- Basmat al aïd (ENSAO solidarity)
- Science Festival (MDSO)
- Grand Debate of Oujda (ENCGO)
- Git and GitHub Course Session
- NASA Space App Challenge

SKILLS

DevOps
- Git, GitHub Actions, Pytest
- Cloud Services: GCP, AWS
- Docker and Kubernetes

Machine Learning
- Models: LSTM , CNN
- ML Tools: Tensorflow ,PyTorch, MLflow

Data Engineering and Analysis
- Relational Databases: MySQL, SQL Server
- NoSQL Databases: Redis, BigQuery
- Big Data Tools: Airflow, Dataproc
- Data Visualization: Power BI, Looker

Application Development
- Frontend: HTML, CSS, JS, Vite + React.js
- Backend: Python (Flask, Django), Java, PHP

CERTIFICATIONS

Intro to Agile Development and Scrum

Neural Networks and Deep Learning

GCP Baseline Infrastructure

LANGUAGES

English	Fluent
French	Fluent
Arabic	Native