



## Taha Farjia

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Conscientious and innovative backend developer with extensive skills and exceptional aptitude for learning. Seeking a challenging and constructive position.

### EDUCATION

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#### ENSAM Casablanca

Casablanca, Morocco

*Data science & Electronics*

- Bachelor's degree.

### EXPERIENCE

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#### MICLA Engineering & Design

Tanger, Morocco

Automotive

*Data Scientist / Backend dev,*

04/2024 – present

- Designing High-Performance Networking Solutions in C/C++
- Database Testing and Optimization
- Implementing Text-to-Speech Solutions (Python, FastApi, Tocatron ..)
- Building Scalable Backends in Go

#### Atlas AI Solutions

Tanger, Morocco

AI Automation Agency

*Data Scientist / Backend dev,*

07/2023 – 04/2024

- Automating workflows using large language models (OpenAI, llama, ...)
- Developed data pipelines for gathering, cleaning, and preprocessing large datasets, resulting in a 20% reduction in data processing times.
- Backend development (FastAPI, Django) and database management.
- Developed and maintained robust web applications leveraging Django's ORM, middleware, and templating engine.
- Designed and implemented RESTful APIs using Django REST framework, ensuring optimal performance, data validation, and serialization.
- Managing large backends utilizing FastAPI using Pydantic 2, Alembic and SQL Alchemy.
- Containerized Django and FastAPI applications using Docker, ensuring consistent environments from development to production.
- Managed Docker images and containers, optimizing build processes and reducing deployment times.

#### ROYAL AIR MAROC

Casablanca, Morocco

Airline

*Data scientist / Backend dev,*

01/2022 – 07/2023

- Utilized advanced machine learning techniques to assess aircraft condition in real-time, offering insights into wear and tear, component health, and potential areas of concern.
- Developed predictive models that proactively identified possible component failures, enhancing aircraft safety and reducing unplanned maintenance events.
- Designed and implemented machine learning models tailored for maintenance decision-making, resulting in more efficient, data-driven decisions by the maintenance team.
- Collaborated with domain experts to ensure models captured industry-specific nuances, enhancing predictive accuracy.

## CAPGEMINI ENGINEERING

Engineering, Tech, Innovation, R&D Consulting

Casablanca, Morocco

### **Data scientist**

01/2021 – 12/2021

- Design of a database of Moroccan traffic signs.
- Building a real time traffic sign detection algorithm for autonomous vehicles.
- Data processing, analytics and prompt engineering.
- Utilized state-of-the-art NLP techniques to extract, preprocess, and analyze textual data from "tender plans".
- Implemented and fine-tuned pre-trained models like ["BERT", "GPT-2"] to achieve 95% accuracy in text classification tasks.

## ETAS

Automobile, Software, Hardware

Frankfurt, Germany (Remote)

### **DevOps**

01/2020 – 09/2020

- Preparation of data to create marketing mix models.
- Built data visualizations using Tableau for KPIs that reduced manual reporting by 10 hours weekly
- Collaborated with product managers, gaining insight into marketing aspects and writing documents
- Using Excel and SQL, built calculator for a client to help them prioritize their project roadmap by changing inputs like customer LTV, conversion rate, and organic traffic

## SKILLS

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**GENERAL SKILLS:** Data Visualisation, Machine Learning, Deep Learning, Pattern Recognition, Database Structure & Algorithm, Statistical Analysis, Data Preparation, Quality Management, Data Mining, Backend Development, Database Management

**TECHNICAL SKILLS:** Python FastAPI,, Flask, Django, TensorFlow, Keras, LLM's APIs (OpenAI, Google Bard...), Langchain, R, C/C++, Power BI, VHDL, SQL & noSQL Databases , Spark, Hadoop, Excel VBA, AWS, Microsoft Azure, Docker, Deployment, Linux.

**LANGUAGES:** FRENCH(Intermediate), ENGLISH(Fluent), ARABIC(Native Language)

## CERTIFICATS

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- IBM Data Science Professional Certificate  
*IBM*
- CLA: Programming Essentials in C  
*CISCO*
- PCAP: Programming Essentials in Python  
*CISC*

