

Yahya BELLMIR

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AI & Data Science Engineering student specializing in Machine Learning, NLP, and Computer Vision, seeking an end of studies internship (**PFE**) to build impactful, data driven applications.

EDUCATION

Ecole National des Arts et Metiers :

Engineering degree : "*Industrial Engineering Artificial Intelligence and Data Science*"

Ecole National des Arts et Metiers :

Integrated Preparatory Year

September 2023 - July 2026

Meknes, Morocco

2021 - 2023

Meknes, Morocco

EXPERIENCE

Internship, RADEM Meknes Web Development | On-site (Meknes, Morocco)

August 2024 - September 2024

- Engineered a full-stack supervisor management app using **Java**, **Spring Boot**, and **Spring Security**.
- Architected secure JWT/BCrypt authentication and developed a responsive UI with **HTML/CSS** & **Bootstrap**.
- Streamlined the full deployment pipeline by containerizing the final application with **Docker**.

Data Scientist Intern, Declic (500 Global) Data Science | Remote (Paris, French)

June 2025 - September 2025

- Fine-tuned a **TinyLlama** model using SFT & DPO to build a lightweight LLM event recommender.
- Creating a dialogue system to interpret complex user requests (intention, tone, location).
- Achieved **91.3%** accuracy with a sequential **SFT→DPO** strategy, outperforming the **88.1%** SFT baseline.
- Engineered a **T5-based** data generation pipeline to automatically convert logs into instructional datasets.
- Containerized the final model for production-level inference using **Docker** and **Ollama**.

Certificates

Huawei Certification: Artificial Intelligence Technology and Applications

2024

Microsoft: Career Essentials in Generative AI by Microsoft and LinkedIn

2025

Udemy: Mastering the Seven Essential Quality Improvement Tools

2025

Agile Enterprise Coach: Agile Fundamentals Certification

2025

DataScientist.fr: Introduction to Docker

2025

DataCamp: Associate Data Scientist

2025

ExpertEase Education: Power BI Fundamentals A to Z

2025

Udemy: Master Python Web Scraping & Automation using BS4 & Selenium

2025

Udemy: Docker for Beginners: a Hands-On Practice Course (+12 hours)

2025

PROJECTS

Parking Space Recognition System | AI & Data Science

October 2024 - January 2025

- Built a real-time parking occupancy detection system using **Python**, **OpenCV**, and the full ML pipeline.
- Achieved **98%** (SVM) and **95%** (YOLOv8) detection accuracy with fine-tuned models.
- Orchestrated the ML pipeline (data preprocessing to model optimization), ensuring reproducibility and efficiency.

Multi-Agent System for Mapping and Surveillance | Robotics & AI

February 2025 - June 2025

- Engineered **cooperative exploration algorithm** (**Python**, **Webots**) with real-time map fusion across multiple e-Puck robots.
- Implemented **intelligent deadlock resolution** using shared positional data to prevent maze navigation failures.
- Integrated **YOLOv8** with **smart alarm system** preventing duplicate alerts and enabling coordinated surveillance responses.

Automated Access Control System via ESP32 and RFID | IoT & Industrial Engineering

April 2025 - June 2025

- Engineered a secure IoT-based access control system integrating an **ESP32**, **RC522 RFID**, and an electric lock.
- Developed a dynamic **PHP/MySQL** web interface for seamless badge administration and detailed access logging.
- Oversaw complete hardware integration and conducted rigorous functional testing within a local XAMPP environment.

SKILLS

Languages

Python, C, C#, C++, Java, LaTeX, Java Script, HTML, CSS, ESP32

Software

Linux, Tensorflow, Pytorch, Docker, OpenCV, Spring Boot, Git, PowerBI

Academic

Machine learning, Deep learning , Industry 4.0, Prompt Engineering, Lab Factory, Data science , Data Analytics, Lean Six Sigma, Agile Methodology.

Soft Skills

Time Management, Problem-solving, Documentation, Engaging Presentation, Leadership, On-site coordination, Teamwork, Adaptability.

Frameworks

RAG, ReadTheDocs, Documentation, Hugging Face, Langchain, Ollama.

Office software

Excel, Word, LaTeX, PPT

Languages

– English: fluent – French: fluent – Arabic: Native