

# Yahya BELLMIR

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AI and Data Science student with a strong interest in Machine Learning and Computer Vision. Passionate about solving complex problems with data-driven solutions and building scalable applications.

## EDUCATION

<b>Ecole National des Arts et Metiers :</b> Engineering degree : <i>"Industrial Engineering Artificial Intelligence and Data Science"</i>	Sep 2024 - July 2026 Meknes, Morocco
<b>Ecole National des Arts et Metiers :</b> <i>Integrated Preparatory Year</i>	Aug 2023 Meknes, Morocco

## EXPERIENCE

<b>Internship, RADEM Meknes Web Development</b>   On-site (Meknes, Morocco) <a href="#">o</a> <a href="#">↗</a>	Aug 2024 - Sep 2024
<ul style="list-style-type: none"><li>Developed a web application with Spring Boot to streamline supervisor management across RADEM agencies.</li><li>Implemented features for tracking, reporting, and administration of supervisor activities.</li><li>Designed a scalable, secure, and maintainable backend, while ensuring a responsive UI with HTML, CSS, and JavaScript.</li></ul>	
<b>BCG Data Science Job Simulation (Forage)</b> <a href="#">o</a> <a href="#">↗</a>	Feb 2025 - Mar 2025
<ul style="list-style-type: none"><li>Analyzed customer churn using Python (Pandas, NumPy, Matplotlib) for data processing and visualization.</li><li>Developed an optimized Random Forest model achieving 85% prediction accuracy through feature engineering.</li><li>Delivered executive summary with actionable insights to drive business decisions at XYZ Analytics.</li></ul>	

## Certificates

<b>Huawei Certification:</b> Artificial Intelligence Technology and Applications	2024
<b>Microsoft:</b> Career Essentials in Generative AI by Microsoft and LinkedIn	2025
<b>Udemy:</b> Mastering the Seven Essential Quality Improvement Tools	2025
<b>Agile Enterprise Coach:</b> Agile Fundamentals Certification	2025
<b>DataScientist.fr:</b> Introduction to Docker	2025
<b>DataCamp:</b> Associate Data Scientist	2025
<b>ExpertEase Education:</b> Power BI Fundamentals A to Z	2025

## PROJECTS

<b>Parking Space Recognition System</b>   AI & Data Science <a href="#">o</a> <a href="#">↗</a>	Oct 2024 - Jan 2025
<ul style="list-style-type: none"><li>Developed a computer vision system to detect empty and occupied parking spots.</li><li>Implemented SVM and YOLOv8 models for high-accuracy detection.</li><li>Worked on data preprocessing, model training, and performance optimization.</li></ul>	
<b>Automated Access Control System via ESP32 and RFID</b>   IoT & Industrial Engineering <a href="#">o</a> <a href="#">↗</a>	April 2025 - June 2025
<ul style="list-style-type: none"><li>Design of a secure access control system using ESP32, RC522 RFID module, and electric lock.</li><li>Development of a PHP/MySQL web interface for badge management and access logs.</li><li>Hardware integration (relay, 12V power supply) and functional testing in a local XAMPP environment.</li></ul>	
<b>Video Game Sales Analysis</b>   Data Visualization & BI	March 2025 - May 2025
<ul style="list-style-type: none"><li>Creation of interactive dashboards with Power BI to visualize video game sales and critical scores.</li><li>Analysis of regional performance (USA, Europe, Japan) and insights on popular titles by platform.</li></ul>	
<b>Multi-Agent System for Mapping and Surveillance</b>   Robotics & AI <a href="#">o</a> <a href="#">↗</a>	Feb 2025 - Present
<ul style="list-style-type: none"><li>Developing a cooperative multi-agent system using e-Puck robots in Webots.</li><li>Designing an autonomous framework for real-time mapping and surveillance.</li><li>Integrating computer vision and reinforcement learning for optimized agent collaboration.</li></ul>	
<b>CV Ranking System</b>   AI & NLP <a href="#">o</a> <a href="#">↗</a>	April 2025 - June 2025
<ul style="list-style-type: none"><li>Multi-AI (Gemini/GPT/Grok) resume analysis</li><li>Section-wise scoring with feedback</li></ul>	

## 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