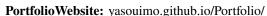
Yahya BELLMIR

+212 7 78 66 40 75 · Morocco, Meknes, Sidi Said Hay Salam · yahyabellmir@gmail.com, 🗖 🗘





As an AI and Data Science student, I am passionate about exploring Artificial Intelligence, particularly in Machine Learning and Computer Vision, while also developing my skills in web development. I enjoy solving complex problems through data-driven approaches and building efficient, scalable solutions.

TIO	

Ec	ole l	Nationa	l des Arts	et Metiers	:		

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

Ecole National des Arts et Metiers :

Integrated Preparatory Year **EMEPE School:**

High school degree in mathematical sciences

Sep 2024 Meknes, Morocco Aug 2023 Meknes, Morocco

June 2020 Meknes, Morocco

Certificates ___

2024
2025
2025
2025
2025

EXPERIENCE ___

Internship, RADEM Meknes *Web devolopement* | On site (Meknes, Morocco)

Aug 2024 - Sep 2024

- Developed a web application using Spring Boot to streamline the management of supervisors across RADEM agencies.
- Implemented features for efficient tracking, reporting, and administration of supervisor activities at multiple locations.
- Ensured the application was scalable, secure, and maintainable, utilizing Spring Boot for backend development and HTML, CSS, and JavaScript for responsive and interactive frontend design.

BCG Data Science Job Simulation on Forage

Feb 2025 - March 2025

- Completed a customer churn analysis simulation for XYZ Analytics, demonstrating advanced data analytics skills, identifying essential client data, and outlining a strategic investigation approach.
- Conducted efficient data analysis using Python, including Pandas and NumPy. Employed data visualization techniques for insightful trend interpretation.
- Engineered and optimized a random forest model, achieving an 85% accuracy rate in predicting customer churn.
- Delivered a concise executive summary for the Associate Director, providing actionable insights for informed decision-making based on the analysis.

PROJECTS ___

Academical Project: Parking Space recognition system | AI & Data Science

2024

- Developed a Parking Recognition System using computer vision to detect empty and occupied parking spots.
- Utilized SVM and YOLOv8 models for accurate parking space detection.
- Contributed to the full project lifecycle, from concept to implementation.

Personal Project: Football Game Analysis | Computer Vision & AI

2025

- Developed a football game analysis system using computer vision and machine learning.
- Implemented a YOLO-based object detection model to track players and the ball in video footage.
- Designed algorithms to assign teams based on iersev colors and determine ball possession.
- Generated annotated videos with bounding boxes, team assignments, and ball possession indicators.

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

2025-Present

- Working on the study and implementation of a cooperative multi-agent system for mapping and surveillance using e-Puck robots in the Webots simulation environment.
- Designing a robust framework enabling multiple autonomous agents to collaboratively explore and monitor unknown environments.
- Integrating advanced robotics, computer vision, and machine learning techniques to enhance real-time communication and coordination between agents.
- Aiming to achieve significant improvements in mapping accuracy, exploration efficiency, and surveillance coverage compared to single-agent systems.

SKILLS .

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

Linux, Tensorflow, Pytorch, Docker, OpenCV Software

Machine learning, Deep learning, Industry 4.0, Prompt Engineering, Lab Factory, Data science, Data Analytics, Academic

Lean Six Sigma.

Time Management, Problem-solving, Documentation, Engaging Presentation, Leadership, On-site coordination, Soft Skills

Teamwork, Adaptability.

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

Excel, Word, LaTeX, PPT Office software

Languages _

- **English**: fluent - **French**: fluent - **Arabic**: Native

Interests

AI Enthusiast Passionate about artificial intelligence and its applications in real-world problems.

Web Development Enthusiast Interested in building interactive, user-friendly websites and web applications using modern technologies. Engineering Problem Solver Focused on applying engineering principles to solve complex, real-world challenges through innovative solutions. Personal Projects Continuously working on AI, web development, and engineering-related projects to expand practical knowledge and skills.