Yahya BELLMIR

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PortfolioWebsite: yasouimo.github.io/Portfolio/

As an AI and Data Science student, I am deeply passionate about exploring Artificial Intelligence, particularly in the areas of Machine Learning, Natural Language Processing (NLP), and Reinforcement Learning (RL), while also honing my skills in web development to create innovative and impactful solutions

EDUCATION

Ecole National des Arts et Metiers : — Sep 2024
Engineering degree : *"Industrial Engineering **Artificial Intelligence** and **Data Science**"* — Meknes, Morocco

Ecole National des Arts et Metiers : — Aug 2023
Integrated Preparatory Year — Meknes, Morocco

EMEPE School : — June 2020
High school degree in mathematical sciences — Meknes, Morocco

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
Linkedin: Project Management Foundations — 2025
Agile Enterprise Coach: Agile Fundamentals Certification — 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 — 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

Academic Project: Electric Cable Winding Machine | Design Office — 2024
- Conducted a comprehensive study for the design of an electric cable winding machine, applying a structured engineering approach.
- Performed a functional analysis of the system, identified requirements, and drafted the technical specifications.
- Sized the system while considering mechanical, electrical, and production constraints to ensure performance and reliability.
- Created detailed technical drawings, including an A0 plan, using computer-aided design (CAD) software.

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 jersey colors and determine ball possession.
- Generated annotated videos with bounding boxes, team assignments, and ball possession indicators.

SKILLS

Languages	Python, C, C#,C++, Java, LaTeX, Java Script, HTML, Css
Software	Linux, Tensorflow, Pytorch, Docker, OpenCV
Academic	Machine learning, Deep learning , Industry 4.0, Prompt Engineering, Lab Factory, Data science , Data Analytics, Lean Six Sigma.
Soft Skills	Time Management, Problem-solving, Documentation, Engaging Presentation, Leadership, On-site coordination, Teamwork, Adaptability.
Frameworks	RAG, ReadTheDocs, Documentation, GAN's, Langchain, Ollama.
Office software	Excel,Word,LaTeX,PPT

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.