

# Youssef EL KAHLAOUI

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[in](#) linkedin profile | [Portfolio](#) | [GitHub](#) profile

## PROFESSIONAL SUMMARY

Engineering student specializing in Digital Transformation & Artificial Intelligence. Skilled in modern software engineering, Machine learning & Deep Learning, DevOps, and AI-driven solutions. Experienced in building scalable web applications, machine learning pipelines, and intelligent chatbots. Passionate about innovation, continuous learning, and contributing to impactful digital transformation projects.

## PROFESSIONAL EXPERIENCE

- AI/Full-stack Development Intern - XAI** Rabat, Morocco  
August 2025 – October 2025
  - Developed Morocco's 1st AI Gateway for national AI sovereignty, integration possibility of 120+ closed- and open-source LLMs (OpenAI, Gemini, LLaMA, Mistral, etc.), and enabling enterprise-customizable model selection. Improved request routing and scalability, delivering cost-efficient, flexible AI services.
- Data Science Intern - Twine LTD** Remote - London, UK  
June 2025 – August 2025
  - Led two AI-driven projects:
  - Built a **computer vision model** to detect car numbers and brands for a technical vehicle inspection company, improving accuracy to **97%**.
  - Developed an **AI support assistant** that reduced redirected conversations to human agents by about **40%**, significantly lowering operational costs.
- Help Desk Agent - GCI Telecommunications** Casablanca, Morocco  
July 2024 – Aug 2024
  - Provided technical support and communication services, handling troubleshooting requests and resolving customer issues. Developed skills in teamwork, incident management, and service delivery within a fast-paced telecom environment.

## CERTIFICATIONS

- **Oracle** Cloud DevOps Professional
- **Cisco** Network Technician
- **Oracle** Cloud Generative AI Professional
- **Google** Nuts and Bolts of Machine Learning
- **Oracle** Certified Java SE 8 Programmer

## EDUCATION

- National School of Applied Sciences (ENSA) - Al Hoceima** Al Hoceima, Morocco  
Sept 2021 – Present  
*Engineer's Degree in Digital Transformation & Artificial Intelligence*

## RECENT PROJECTS

- JudiciAIr – Moroccan Legal Chatbot**
  - An intelligent legal assistant to simplify access to Moroccan law by providing instant, accurate legal guidance.  
**Stack:** Python, Flask, PyTorch, React.js, HuggingFace, Llama 4
- CareeAIr – Career Assistant SaaS**
  - An AI-powered career platform to help professionals accelerate their growth through personalized tools.  
**Stack:** Next.js, TypeScript, Prisma, Azure, Docker, Grafana, Gemini 2.5
- Open Food Facts – Big Data Web App**
  - A Big Data app analyzing +3M food products to provide personalized recommendations and health insights.  
**Stack:** Python, Flask, PySpark, Spark MLlib, MongoDB, Azure

## TECHNICAL SKILLS

- **Programming:** Python, Java, C/C++, PHP, TypeScript, JavaScript, Scala, MATLAB
- **Frameworks:** React.js, Angular, Laravel, Spring Boot, Spring Framework, Flask, Fast API, Next.js
- **Data / AI:** Pandas, Numpy, Seaborn, Matplotlib, Scikit-learn, TensorFlow, Keras, PyTorch, Spark, Kafka, Redis, Hadoop, Hive, PowerBI
- **Databases:** SQL.PL/SQL, MongoDB, PostgreSQL, MySQL, Prisma ORM
- **DevOps:** Linux, Git/GitHub/GitHub Actions, Docker, Kubernetes, Terraform, Ansible, Pulumi, Jenkins, Grafana, AWS, Azure, OCI, GCP
- **Others:** Odoo ERP, Agile Methodologies, Networking / Cybersecurity essentials, Microsoft 365, WordPress, Adobe (Ps, Ae, Pr, Ai)
- **Languages:** English (Professional), French (Professional), Arabic (Native)