



# CHEGDATI CHOUAIB

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## PROFESSIONAL SUMMARY

Industrial Engineering student specializing in AI and Data Science. I am looking for a **4 to 6 month internship** in AI, Data Science, or web application development . I have skills in Python, AI, machine learning, deep learning, Generative AI, computer vision, MLOps, and SaaS application development. I am motivated, curious, flexible, and mobile. I am eager to contribute to innovative projects and further develop my technical skills and teamwork abilities.

## PROFESSIONAL EXPERIENCE

### Capgemini Techathon

November 2025 - Decembre 2025

- Student stress detection project, qualified for the final on **December 11, 2025**.

### Hack-Nation Global AI Hackathon (SAP Challenge)

November 2025

- 2nd Place:** Developed SkillSense, an AI app that turns static résumés into dynamic career plans by extracting skills, identifying gaps, and generating personalized learning paths.

### XAI-TECH

August 2025 – October 2025

- Explored chatbot and translation models between French, Arabic, and Darija.
- Conducted initial research and data collection for future development.

### Smart Automation Technologies

July 2025 – September 2025

- Automated an end-to-end object detection pipeline using YOLO and Grounding DINO with local execution to ensure privacy and low latency.
- Structured preprocessing, inference, postprocessing, and logging; improved multi-scene robustness and maintainability.

### INTELLCAP SARL

July 2025 – September 2025

- Created and deployed three microservices for multimedia text processing (video, image, and audio).
- Integrated advanced features for multimedia conversion and generation.

### SaiKet Systems

April 2025 – May 2025

- Trained multiple models for customer churn prediction with a full data pipeline (cleaning, visualization, feature selection), achieving **79% accuracy** with Random Forest and delivering actionable business insights.

## PROJECTS

### Multimodal Chatbot (Text • Voice • Image)

Octobre 2025 - Janvier 2026

- Intelligent assistant integrating OCR, ASR, and RAG for industrial document analysis, supporting French, Arabic, and English, with TTS-based voice responses powered by Vision-Language Models and LLMs.

### Recommendation Using Particle Swarm Optimization — MovieLens 100K

April 2025 – May 2025

- Personalized web service based on user preferences; optimization with Particle Swarm Optimization; offline evaluation.

### Object Detection (TensorFlow/Keras)

March 2025 - April 2025

- Dual-output CNN for emoji classification and localization: model architecture, training, and evaluation metrics.

### Parking Vision: Spot Detection and Reservation

October 2024 – January 2025

- YOLOv8 + SVM for occupancy status detection; Streamlit UI; fully documented on GitHub/ReadTheDocs; near real-time performance.

## EDUCATION

### École Nationale Supérieure d'Arts et Métiers – Meknès-Engineering Program

In progress

- Engineering Cycle in Industrial Engineering, AI & Data Science

### Othmane Ben Aafane

2020

- International Baccalaureate, Mathematical Sciences A– Very Good

## COMPÉTENCES

- Generative AI & NLP:** LLMs, RAG, Fine-tuning, OCR, ASR, Prompt Engineering, AI APIs
- Machine Learning & Deep Learning:** Model training, evaluation, optimization
- Computer Vision:** Image Processing, Object Detection (YOLO, Roboflow, Labellmg)
- MLOps & Data Engineering:** Data cleaning, feature engineering, TensorFlow/Keras, Scikit-Learn, workflow automation (n8n)
- Backend & Deployment:** Docker, FastAPI
- Programming & Tools:** Python, Git/GitHub, Hugging Face, Streamlit, SaaS development

## CERTIFICATIONS

- Lean Six Sigma Yellow Belt — **ECLEE**
- Supervised Machine Learning (**Stanford**): Regression & Classification (Python, NumPy, scikit-learn)
- Unsupervised & Recommender Systems (**Stanford**): k-means, dimensionality reduction, anomaly detection, recommender systems, DRL
- Generative AI for Data Scientists (**IBM**): Fundamentals, Prompt Engineering, Practical Cases
- IBM** Generative AI: Prompt Engineering Basics
- Data Science Job Simulation (**BCGX**): Business understanding, EDA, feature engineering, insights, and recommendations
- Docker for the Absolute Beginner – Hands-On (**Packt**, Coursera): containerization fundamentals, Docker Compose, Swarm, and Kubernetes basics

## INTERESTS

- Automation, Competitive Challenges, Football, Video Games, Travel, and Cultural Exploration.