

Ibrahim Aloui

FULL STACK AI DEVELOPPER AND DEVOPS PROFESSIONAL

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I am highly motivated and determined, with a strong ability to integrate seamlessly into teams. My commitment to staying abreast of new technologies and scientific advancements continually drives me to explore and engage in discussions that broaden my perspective. Moreover, my analytical mindset equips me to tackle challenges effectively, enabling me to dissect, understand, and resolve any obstacles I encounter.

ACADEMIC BACKGROUND

- **Professional Master's in Embedded Systems and IoT**
- **Bachelor's Degree in Computer systems engineering, Embedded systems IoT**
- **Baccalaureate in Computer Sciences**

PROFESSIONAL EXPERIENCE

Jan 2024 - current

Freelance (Involved in various tasks and projects related to machine learning, deep learning, mobile development, and DevOps.)

SKILLS

- **AI:** Data Pre-processing, ML/DL Modeling, LLMs, RAG, Prompt Engineering, ASR, Computer Vision, Data Annotation
- **Web:** Django, React.js
- **Mobile:** Flutter
- **OS:** Windows, Linux
- **Hardware:** Raspberry Pi, esp32
- **DevOps:** Docker, Docker hub, Docker compose, Kubernetes, CI/CD
- **Blockchain:** Solidity, Smart contracts

PROJECTS

Pdf Chabot (LLMs, RAG, Django, React.js)

Smart Home Automation Based on Containerization (Docker, Docker Compose, Django, Flutter, DL, ML, Raspberry Pi)

Parking Space Management System with Blockchain and AI (Blockchain, Solidity, Smart Contracts, DL, React.js, Raspberry Pi)

IoT-Enabled Temperature Management Mobile App (Flutter, Firebase, Raspberry Pi)

Automatic Lighting Control IoT System (Firebase, ESP32)

LIBRAIRIES AND TOOLSN

- Tensorflow, Keras, PyTorch, Transformers, Langchain, Chromadb, crewai, Pandas, datasets, Scikit-learn, PEFT, YOLOv3, YOLOv5, YOLOv8, Detectron2, dlib, face-recognition, deepface, mediapipe, tflite_runtime, Web3.js
- Huggingface, Kaggle, Roboflow, Microsoft azure, GitHub, GitLab, Remix IDE, Firebase

LANGUAGES

- English (EF Set)
- French
- Arabic