

IKRAM MESSAOUD

Software Developer — AI & Backend Developer

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Summary

Software Developer with a strong focus on backend systems and AI. Experienced in building scalable APIs and intelligent applications using Node.js, Python, and TensorFlow. Passionate about clean code, performance, and solving real-world problems through technology.

Education

Higher National School of Computer Science – 08 May 1945 2022 – Present

Sidi Bel Abbès, Algeria

Currently pursuing an engineering degree in Computer Science with a focus on software development, and AI.

Projects

GuideMe Mobile App 2024 – Present

Contributing as a backend developer to a mobile tourism app for students. Developed secure APIs with Node.js, managed data using MongoDB, and implemented real-time features for notifications and chat.

Real-Time Chat Application 2025

Designed and built a full-stack chat system using Node.js, Express, and Socket.IO. Features include real-time messaging, user authentication, and a clean responsive UI.

Flower Image Classifier (AI Project) 2025

Created a convolutional neural network using TensorFlow and Keras to classify flower species from images. Included data preprocessing, augmentation, and accuracy evaluation.

Technical Skills

Backend Development: Node.js, Express.js, RESTful APIs, Socket.IO

Databases: MongoDB, MySQL

Artificial Intelligence: Python, TensorFlow, Keras, Scikit-learn, NumPy, Pandas

Tools & Platforms: Git, Docker, Linux, Postman, VS Code

Programming Languages: JavaScript, Java, Python

Certifications

Engineer CTF Hackathon 2025

Solved cybersecurity challenges in a 24-hour Capture The Flag competition.

Experia Design Hackathon 2025

Designed a user-focused UI/UX experience during a national design sprint.

Languages

Arabic (Native)

French (Fluent)

English (Professional)