

# 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** 2025 – 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 - 2025  
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.

**Courses Recommendation System (AI Project)** 2025  
Developed a machine learning model to recommend personalized online courses based on user interests.

**ShopEase (E-Commerce App)** 2025  
Developed a full-stack Flutter and Node.js application for browsing, searching, and managing products with user authentication and real-time features.

## Technical Skills

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

**Databases:** MongoDB, MySQL

**Frontend Development:** Flutter

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

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

## 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 (Professional)

English (Professional)