

# IKRAM MESSAOUD

Software Developer — AI & Backend Developer

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## Summary

Software Developer specializing in mobile app development and artificial intelligence. Experienced in creating user-friendly, performant mobile applications enhanced with intelligent features. Passionate about clean, maintainable code and leveraging technology to solve real-world problems.

## Education

<b>Preparatory Cycle in Computer Science</b>	2023 – 2025
Higher National School of Computer Science – 08 May 1945, Sidi Bel Abbès	
<b>Superior Cycle (Engineering Degree)</b>	2025 – Present
Higher National School of Computer Science – ESI Algiers, Algiers	

## Projects

<b>ShopEase (E-Commerce App)</b>	2025
Developed a full-stack Flutter and Node.js application for browsing, searching, and managing products with user authentication and real-time features.	
<b>ServiDZ (MOBILE App)</b>	2025
Full-stack app connecting users with local professionals for booking and chat	
<b>GuideMe Mobile App</b>	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.	
<b>Real-Time Chat Application</b>	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.	
<b>Courses Recommendation System (AI Project)</b>	2025
Developed a machine learning model to recommend personalized online courses based on user interests.	

## 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

<b>NLP Certificate</b>	2025
Practical skills in text processing and language models (DataCamp)	
<b>SQL Certificate</b>	2025
Basics of querying and managing databases (DataCamp)	
<b>Docker Certificate</b>	2025
Basics of querying and managing databases (DataCamp)	

**Engineer CTF Hackathon**

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

2025

**Experia Design Hackathon**

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

2025

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**Languages**

Arabic (Native)

French (Professional)

English (Professional)