Alaa otay

Full-Stack Engineer | AI-Enhanced Web Applications

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📅 Date of birth 03/16/2002

Software engineering student passionate about modern web development and AI integration. Proficient in object-oriented programming and experienced in building dynamic applications with PHP, Laravel, and Vue.js. Hands-on with database management and leveraging AI models (LLMs, GenAI) to enhance functionality. Eager to contribute to innovative projects and thrive in a forward-thinking tech environment.

EXPERIENCE

web developer internship   From July 2024 to August 2024

Yes2Dev Mednine

- Developed a complete **Restaurant Management System** using **Laravel**, **MySQL**, and **Bootstrap**.
- Built an **Admin Dashboard** with **CRUD** operations, role-based access control, and sales analytics.
- Created a responsive **customer interface** for online ordering, table booking, and real-time tracking.
- Managed **database** migrations, seeding, and local environment setup with Laravel and Laragon.

FastAPI Career Profile Generator   April 2025

ISIMM Intern Explorer Coding Night ISIMM

- Built a **FastAPI** app to extract structured data from CVs using **OCR** and **LLMs**.
- Integrated **Tesseract OCR** with **Hugging Face fallback**; used **OpenAI** and JSON Schema for profile generation.
- Enhanced post-event with **auto-validation** logic, **retry mechanisms**, and modular codebase.

EDUCATION

Preparatory Cycle and Engineering Degree in Software Engineering   Since September 2021

Higher Institute of Computer Science and Mathematics of Monastir (ISIMM) Monastir

Currently in 4th year, expected to graduate in 2026

Baccalaureate in Technical Sciences   July 2021

Technical high school Mednine

Score: 16.65/20

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

- Full Laravel Course – Brightcoding Platform
Covered **basic principles**, **authentication**, **database seeding**, and more.

- Vue.js Course
Focused on building interactive user interfaces and integrating with modern web applications.

- Machine Learning - Google Cloud
Learning through hands-on projects and courses, including the **Generative AI Learning Path** and **Large Language Models**

SKILLS

Programming Languages:
PHP, Java, C, C#, Python

Web Development:
HTML/CSS, JavaScript (jQuery, Ajax), Laravel, Bootstrap, Vue.js

Backend & Tools:
REST APIs, Git, Laravel Mix, MySQL (Laragon), PL/SQL (Oracle), Python packages (NumPy, OpenCV, JSON Schema)

Concepts:
Object-Oriented Programming (OOP), UML, Cloud Fundamentals (AWS Academy), OCR, Object Detection

LANGUAGES

Arabic
Native language

English
Fluent

French
Fluent

SOCIAL NETWORKS

 github.com/alaaotay8

 linkedin.com/in/alaa-otay8