



# YOUSSEF TOUMI

AI ENGINEER

## PERSONAL DETAILS

Nabeul, Tunisia

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youssef\_toumi\_portfolio

## TECHNICAL SKILLS

Machine Learning

Deep Learning

Computer Vision

Edge-Cloud Architecture

Data Handling & Storage (SQL)

Problem Solving

## LANGUAGES

Arabic (native)

English (fluent)

French (intermediate)

## INTERESTS

Football

Calisthenics

Running

## ABOUT ME

AI Engineer specializing in Computer Vision and Deep Learning, focused on designing and deploying end-to-end AI solutions. Skilled in developing and optimizing deep learning models for real-time applications using Python, PyTorch, and OpenCV. Capable of building scalable AI systems with edge-cloud deployment for distributed environments.

## PROFESSIONAL EXPERIENCE

### AI Engineer Intern at Avespace

FEBRUARY 2025 — AUGUST 2025

- Developed and integrated Deep Learning models for Face Recognition, Liveness Detection, and Activity Monitoring, forming a unified end-to-end Computer Vision system.
- Built a centralized, intelligent dashboard to visualize AI inferences in real time, transforming model outputs into actionable insights and enhancing operational oversight.
- Optimized inference pipelines to achieve **<1s end-to-end latency** at **15fps** with **>93% accuracy**, deployed on a scalable Edge-Cloud architecture for production-grade performance.

### International Sales Specialist at Ozeol

MAY 2024 — JANUARY 2025

- Managed and negotiated international stock sourcing, leveraging market trend analysis to secure optimal prices and directly improve overall supply chain efficiency.
- Applied data-driven decision-making and advanced negotiation skills to strategically optimize procurement costs and support broader business objectives.
- Built and maintained strategic, long-term business relationships across global markets, successfully contributing to sustained international growth for the company.

### Web Developer Intern at DM Service Informatique

FEBRUARY 2022 — MAY 2022

- Contributed to the design and full-stack development of a MERN-stack e-commerce platform, integrating a robust product catalog, shopping cart system, and secure payment functionality.
- Enhanced user experience (UX) and optimized operational workflows across the platform, facilitating smooth browsing, shopping, and secure transactions for customers.
- Delivered a fully functional, secure, and user-friendly e-commerce website, demonstrating end-to-end mastery of full-stack web development principles (frontend to backend).

## EDUCATION

### Engineer's Degree, Computer Engineering, Polytechnic School of Sousse

SEPTEMBER 2022 — OCTOBER 2025

### Bachelor's Degree, Business Intelligence, Higher Institute of Management of Sousse

SEPTEMBER 2019 — OCTOBER 2022

## ASSOCIATIVE LIFE

### Partnership with UTAIM (Tunisian Union of Mental Disabilities), Msaken

MAY 2023

Partnered with the organization to provide materials for workshops, enabling individuals with mental disabilities to create remarkable handcrafted works and integrate into professional life.