

PROFILE

AI Engineer and Software Engineer who builds intelligent applications that have to be right in operation, not only in evaluation. I work across the full path—dataset preparation, model training and evaluation, backend and API integration, business validation rules, and human review paths—so that model output becomes data a business can act on. Specialised in computer vision, document intelligence, RAG, and agent systems.

Open to full-time roles: AI Engineer · Applied AI / ML Engineer · Computer Vision Engineer · Generative AI Engineer. Remote, hybrid, or relocation. Available immediately.

PROFESSIONAL EXPERIENCE

AI & Software Engineer — Graduation Project

Feb – Jul 2026

Essilor SIVO (EssilorLuxottica)

Sfax, Tunisia

- Owned requirements analysis, mobile and backend development, AI architecture, dataset preparation, model evaluation, integration, and quality assurance for confidential PRECAL form processing.
- Built a modular pipeline combining YOLO11 field detection, EfficientNetV2-S classification, TrOCR and GLM-OCR recognition, checkbox analysis, RapidFuzz resolution, business rules, and human review.
- Reached 92.66% precision, 92.79% recall, and 95.16% mAP@50 for YOLO11 field detection.

Python · YOLO11 · EfficientNetV2-S · TrOCR · GLM-OCR · RapidFuzz

Backend Developer Intern

Jun – Oct 2025

Altavo Partners

Remote · Paris, France

- Developed Node.js API services, PostgreSQL persistence, and Hedera SDK integration for a distributed-ledger platform.
- Improved backend reliability through robust endpoints, database-query optimization, and a Docker-based environment.

Node.js · PostgreSQL · Docker · Hedera SDK · REST APIs

Full-Stack Developer Intern

Jun – Aug 2024

Infotech Consulting Services (ICS)

Sfax, Tunisia

- Developed Geex administration workflows for university schedules, examinations, students, classes, professors, and resources.

Laravel · Vue.js · PHP · MySQL

SELECTED AI PROJECTS

SmartWarehouse AI

Built a logistics platform combining YOLO and Gemini vision, a ChromaDB-backed RAG engine, FastAPI services, inventory workflows, and a Next.js interface.

FastAPI · Next.js · YOLO · Gemini · RAG · ChromaDB · Docker

Intelligent Online Classroom

Created a multimodal learning application with synchronized quiz and webcam data, YOLO-based face detection, expression analysis, and NLP interaction.

Angular · Python · YOLO · TensorFlow · NLP · Computer Vision

TECHNICAL SKILLS

AI & computer vision	Python, PyTorch, TensorFlow, YOLO, OCR, model evaluation
Generative AI	RAG, LLMs, intelligent agents, ChromaDB, grounded workflows
Backend & data	FastAPI, Node.js, REST APIs, PostgreSQL, MySQL, MongoDB
Delivery & web	Docker, Linux, Git, GitHub, TypeScript, Next.js, React

EDUCATION

National Engineering Degree in Computer Engineering

Software Engineering & Business Intelligence
International Institute of Technology (IIT)

Graduated · 18 July 2026

Engineering Preparatory Program

Engineering Preparatory Institute of Sfax (IPEIS)
2021–2023

CERTIFICATIONS

Information Technology
Specialist — Artificial
Intelligence

Certiport · 14 October 2024 · 889 / 1000

Information Technology
Specialist — Python

Certiport · 27 March 2024 · 880 / 1000

Hashgraph Developer

The Hashgraph Association · June 2025

LANGUAGES

Arabic **Native** · English **Fluent** ·
French **Fluent** · German **Basic proficiency**