

CHIHEB NOURI

AI Engineer — Computer Vision Specialist — Deep Learning Developer

+216 93 003 455 chihebnouri14@gmail.com

linkedin.com/in/chiheb-nouri github.com/chih3b Tunis, Tunisia

SUMMARY

Artificial Intelligence Engineer with 1+ years of applied experience in computer vision, deep learning, and machine learning. Specialized in object detection (YOLO), model quantization, and performance tuning. Built scalable AI pipelines and edge-deployable solutions with 15% accuracy and 30% speed improvements. Delivered 98% accurate facial recognition, real-time behavior analysis, and automated retail vision systems. Proficient in Python, PyTorch, TensorFlow, OpenCV, and deployment tools. Featured at HANNOVER MESSE 2025 and Seamless Saudi Arabia 2024.

EXPERIENCE

AI Developer and Team Leader <i>Inveep</i>	Jan 2024 – Present
• Engineered facial recognition system integrated with chatbot for smart attendance; achieved 98% accuracy.	<i>Tunis, Tunisia</i>
• Deployed behavior detection model with automated alerts and visual logs; reduced incident response time by 20%.	
• Built and scaled a shoplifting detection system installed in 50+ retail stores, boosting operational safety.	
• Represented Inveep at HANNOVER MESSE 2025 and Seamless Saudi Arabia 2025, securing two partnership deals.	
Computer Vision Engineer <i>NN Code</i>	Jan 2025 – Apr 2025
• Designed and deployed a high-throughput, multi-camera AI surveillance system leveraging YOLOv8, FastAPI, and multithreading for real-time object detection.	<i>Remote / Dubai, UAE</i>
• Integrated YOLOv8 object detection with face and pose estimation via <code>rtmllib</code> , achieving 95% precision in firearm detection across varied environmental scenarios.	
• Implemented streamlined workflows for RFDetr, RT-DETR, and D-FINE within Jupyter, resulting in the processing of 10,000+ training iterations weekly and enhancing overall model accuracy through rapid feedback loops.	

PROJECTS

AI-Powered HR Platform for Actia (Academic)	Feb 2025 – May 2025
• Built AI HR platform reducing screening time by 40% across 300+ applicants using ML models.	
• Enabled real-time avatars with 92% emotion accuracy using facial and voice inputs, under 150ms latency.	
• Added phone checks and screenshots, catching 94% of cheating attempts.	
Retail Product Detection System (Capstone)	Feb 2024 – May 2024
• Developed Angular-based interface connected to YOLO with TensorRT optimization; achieved 30% faster inference.	
• Linked PostgreSQL backend to Mistral chatbot for inventory queries; reduced manual lookup errors by 25%.	
• Presented to 20+ enterprise stakeholders at Seamless Saudi Arabia 2024, resulting in 3 follow-up investor meetings and 1 signed pilot agreement.	

TECHNICAL SKILLS

Languages: Python, Java, C/C++, JavaScript, TypeScript, Mojo, PHP

Frameworks & Libraries: PyTorch, TensorFlow, YOLOv8, OpenCV, TensorRT, LSTM

AI Skills: Object Detection, Deep Learning, Model Optimization, Neural Networks, Real-Time Inference, Machine Learning

Web Technologies: Angular, Flask, Django, Node.js

Tools: Git, Docker, PostgreSQL, Linux

EDUCATION

Esprit School of Engineering <i>Artificial Intelligence Engineering</i> Faculty of Sciences of Tunis <i>Bachelor's in Software Engineering</i>	2024 – 2027
	<i>Tunis, Tunisia</i>

2021 – 2024

Tunis, Tunisia

CERTIFICATIONS

Generative AI with Diffusion Models — NVIDIA (Feb 2025)

Fundamentals of Deep Learning — NVIDIA (Dec 2024)

YOLOv8 Performance Improvement Masterclass — Udemy (Jul 2024)

Azure AI Fundamentals — Microsoft (May 2024)

Azure Data Fundamentals — Microsoft (May 2024)