

Farah GAIDA

Computer Science Engineering Student — Software & Data Engineering
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Summary

Final-year Computer Science Engineering student specializing in Software and Data Engineering, with a strong focus on Computer Vision and deep learning. Experienced in video analysis, CNN-based models, and real-time detection systems. Seeking a PFE internship in AI and Computer Vision to develop intelligent, real-world solutions.

Experience

IDEA Lab FSB — Computer Vision Intern	Jul–Aug 2025
Developed a deep learning system for crowd abnormality detection using CNN-based models. Built a cross-platform desktop app using Svelte, Flask, and Electron.	
STEG IT Center — Full Stack Developer Intern	Jul 2024
Designed and implemented a task management web app using React.js and Express.js to improve workflow efficiency.	
Goodwill Consulting — Web Development Intern	Feb–Jun 2023
Developed an e-commerce platform for selling, donating, and exchanging children's items using ASP.NET and Bootstrap.	
Icstartup — Web Development Intern	Aug 2022
Developed an invoice management platform (fatoura.tn) using React.js.	
STEG IT Center — Web Developer Intern	Jul 2022
Created a work management system for IT centers using HTML5, Tailwind CSS, and PHP.	

Education

Faculty of Sciences of Bizerte	2023–Present
Engineering Degree in Computer Science — Software & Data Engineering	

Higher Institute of Applied Languages and Computer Science, Beja	2020–2023
National Bachelor's Degree in Computer Science	

Technical Skills

- Programming:** Python, JavaScript, C#, PHP
- AI/ML:** TensorFlow, Keras, CNNs, EfficientNet, YOLO, OpenCV, Scikit-learn
- Frontend:** React.js, Angular, Bootstrap, Tailwind CSS
- Backend:** Node.js (Express), ASP.NET
- Databases:** MongoDB, MySQL
- Tools:** Git, Power BI, Firebase

Academic and Personal Projects

- Yawning Detection for Driver Drowsiness** — Built a real-time fatigue detection model using **EfficientNet**.
Python, TensorFlow/Keras, OpenCV
- Insurance Accident Prediction** — Built a machine learning model predicting accident risks.
- IoT Bracelet for Alzheimer Patients (Hani m3ak)** — Fall detection, heart rate monitoring, and GPS tracking with companion mobile app (*Wynk*).
Android Studio, Java, Firebase, NodeMCU ESP8266
- Smart Home Web Application** — Device management system using Node.js, Express.js, and MongoDB.
- Clinic Management System** — ASP.NET-based clinic administration software.
- Real Estate Platform** — Built using Angular, Tailwind CSS, and Spring Boot.

Soft Skills & Languages

- Soft Skills:** Teamwork, Communication, Analytical Thinking, Problem Solving, Fast Learning, Time Management
- Languages:** Arabic (Native), French (Fluent), English (Professional Working Proficiency)