

# FEDI HMIDA

## JUNIOR FLUTTER DEVELOPER | DATA SCIENCE & AI ENGINEERING STUDENT

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### SUMMARY

A motivated **Data Science & AI Engineering student** currently enrolled at ESPRIT, holding a Bachelor's degree in Computer Engineering (2024).

My technical expertise spans **cross-platform mobile development (Flutter)**, **AI frameworks (TensorFlow, PyTorch, OpenCV)**, and **full-stack solutions (Next.js, Nest.js, FastAPI, Symfony)**. I focus on creating solutions that bridge business needs and intelligent automation, including enterprise-grade web platforms and intelligent decision-support systems.

### PROFESSIONAL EXPERIENCE

#### ADDINN Group - Summer Internship

July – September 2025

- Developed a custom **YOLO-based deep learning model** and **FAST API** for automated vehicle damage detection to streamline insurance claims
- Integrated **AI modules** for damage analysis and fraud detection.
- Built a cross-platform **Flutter app** enabling users to submit claims, upload evidence, and track claim progress in real-time.

#### Msign - Final Year Project Internship

February – June 2024

- Developed **an energy monitoring and control system** for solar-powered devices to optimize solar energy use.
- Built **the SolarFlow app in Flutter** to track energy production and manage connected devices in real-time.

### PROJECTS

#### SmartClaim - AI-Powered Insurance Claim App

July – September 2025

- Engineered a cross-platform **Flutter app** allowing users to easily report car accidents, attach multimedia evidence, and monitor claim progress.
- Designed and trained a **YOLO-based object detection model** to localize vehicle damage, integrated for automated claim processing.

#### Onboardify - Smart Employee Onboarding Platform

February– May 2025

- Contributed to a hybrid solution with a **JavaFX desktop application** and a **Symfony web application**.
- Implemented personalized onboarding flows, gamification elements, and real-time dashboards.

#### SolarFlow App: Renewable Energy Optimization Platform

February– May 2024

- Developed a user-friendly mobile application using Flutter for monitoring and controlling solar-powered devices. Enabled real-time energy.
- Enabled real-time energy production tracking, device control, and efficient renewable energy management

## SKILLS

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<b>Mobile Development</b>	Flutter, Android Studio
<b>Web Development</b>	Next.js, Nest.js, Symfony
<b>AI</b>	YOLO, Computer Vision (for object detection)
<b>Databases</b>	MongoDB, MYSQL
<b>Project Management</b>	Scrum, Kanban, Scrumban

## EDUCATION

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<b>Private Higher School of Engineering &amp; Technology (ESPRIT)</b>	2024- 2027
• Data Science & AI Engineering student	

  

<b>Higher Institute of Computer Science of Mahdia, Tunisia</b>	Graduated: 2024
• Bachelor's Degree in Computer Engineering	

## ADDITIONAL INFORMATION

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- **Languages:** English, French, Arabic .
- **Volunteering :** Treasurer, IEEE ESPRIT Student Branch