



# AMINE EL-HEND

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📍 Al Oulfa, Firdaous, GH11, Casablanca, Morocco | 🌐 [github.com/ZenleX-Dost](https://github.com/ZenleX-Dost)

*Industrial Engineering Student specializing in Artificial Intelligence and Data Science*

*Seeking a final year internship starting February 2026.*

## EDUCATION

**Higher National School of Arts and Crafts (ENSAM), Meknes**  
Industrial Engineering, Major: Artificial Intelligence & Data Science

*September 2021 - Present*

## PROFESSIONAL EXPERIENCE

**Capgemini engineering** - *Year-End Project Internship*

*July 2025 - August 2025*

Developed an application to digitize the verification process of CTFs in the RCM for Stellantis.

**GAMA Intégration (GAMA Distribution)** - *Engineering Intern*

*July 2024*

Programmed an IFM camera for anomaly detection on a production line using TIA Portal.

**GRIF TECH** - *Internship (Marketing Department)*

*July 2023 - August 2023*

Created and designed a technical catalog for products from the SH and SHTEL brands.

## EXTRACURRICULAR EXPERIENCE

Head of Media & IT Cell - ADEAM  
Executive Board Member - A&M Inter-Institutes  
Executive Board Member - A&M Enterprise Forum  
Vice-President of the Integration Committee for the Class of 2029

Head of Aerospace Trades - Space Club  
Vice-President of Gadz'IT (A&M IT Club)  
Founder of GENOS (AI Club of ENSAM Meknes)  
Manager for 3 years in A Day Of Science

## PROJECTS

### GenAI-DIX: Generative AI for Product Design

- Created a Streamlit application that generates design suggestions for specific requests, including product categorization and suggested manufacturing materials while respecting DfX design standards.

### Data Preprocessing Project

- Developed an interface that preprocesses provided data (.csv, .xls, .txt, ...) and provides all desired statistics in the form of diagrams, graphs, etc.

### Sketch to Image

- Created a model using a GAN architecture to convert facial sketches into realistic images for comparing police sketches with the state database.

### Datamining Project

- Predictive maintenance for a NASA turbine.

### Electric Cable Winding Machine Design

- Designed the cable winding part of an electric cable winding machine.

### Machining Unit Design

- Designed a machining unit, specifically the part responsible for the head's translation using a helical system.

### Quality Control Application via Reports

- Created a local, offline application for quality control of CTFs in a PCP by comparing them with measurement control reports using Python (PyQt6).

### Explainable AI for Visual Quality Control: Detection and Operator Decision Support

- Design a prototype for radiographic/vision-based quality control for a family of parts and selected modalities.

## SKILLS

Languages:	Arabic, English, French
Technical Skills:	Python, C++, JAVA, SQL, PyTorch, Pandas, TensorFlow, PL7PRO, TIA Portal, CATIA V5, AutoCAD, Adobe Illustrator, Adobe Photoshop, DaVinci Resolver, Fritzing, Lean Six Sigma, Comptabilité, Protheus8, RDM6, Notion, Asana, Microsoft Office ...
Soft Skills:	Creativity, Management, Leadership, Time management, Team work, Autonomous, Quick Learning, Adaptability, Curiosity, Problem Solving

## CERTIFICATIONS

-Google Project Management: Specialization - **Google**  
-Project Initiation: Starting a Successful Project - **Google**  
-Machine Learning with Python - **IBM**  
-Generative AI for Executives & Business Leaders - **IBM**

-Supervised Machine Learning: Regression and Classification - **Stanford**  
-Lean Six Sigma Yellow Belt - **ECLEE**  
-Oracle Cloud Infrastructure, AI Foundations - **Oracle**