



AMINE EL-HEND

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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

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|-------------------|--|
| Languages: | Arabic, English, French |
| Technical Skills: | Python, C++, JAVA, SQL, PyTorch, Pandas, TenserFlow, 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, Adabtability, 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**