

MOHAMED EL ADARISSI

0638024878 | mo.adarissi@gmail.com | [LinkedIn](#)

SUMMARY

Smart Industry Master's student and aspiring robotics engineer with hands-on experience in maintenance, mechanical design, and CAD modeling (Fusion 360, SolidWorks). Demonstrates strong problem-solving and teamwork skills in both competitive and industrial settings. Driven to integrate robotics systems with innovative AI and automation technologies, contributing to impactful, cutting-edge projects.

EDUCATION

FSDM - Fès <i>Master, Smart Industry</i>	2024 - 2026
FSMI-MEKNES <i>Bachelor's, Physics (Electronics & Industrial Informatics) – EIC</i>	2023 - 2024
FSMI-MEKNES <i>DEUG, Physical Sciences</i>	2020 - 2023
Lycée Ibn El Khattab <i>Baccalauréat, Sciences Mathématiques A</i>	2020

WORK EXPERIENCE

AI-SYSTEMS <i>Maintenance Technician</i>	Jan 2024 - Jun 2024 <i>Mohammedia</i>
<ul style="list-style-type: none">Executed preventive and corrective maintenance on industrial systems, ensuring reliability of automation and embedded components.Managed the installation and renovation of electrical cabinets with a focus on mechanical design alignment.Diagnosed faults on PLCs, motors, and HMIs with precision, employing mechanical testing techniques to evaluate system performance.Mentored junior interns and collaborated with engineering teams to integrate robotics systems with electronic control components.	
AI-SYSTEMS <i>Internship</i>	Jul 2023 - Jan 2024 <i>Mohammedia</i>
<ul style="list-style-type: none">Assisted technicians in diagnosing and resolving machine failures, leveraging technical insights in robotics applications.Contributed to maintenance planning and cabinet rewiring by integrating CAD & 3D modeling expertise.Enhanced real-time problem-solving skills during operational challenges through collaborative teamwork.	

PROJECTS

AI Rail Optimization – ONCF Project <i>ONCF Project</i>
<ul style="list-style-type: none">Designed a predictive maintenance platform using digital twins, edge computing (HMAX/IGX), and reinforcement learning for AI Boraq trains.
MedXAccess - Smart Pharmacy Kiosk <ul style="list-style-type: none">Led development of a 24/7 robotic pharmacy system using QR codes, a mobile app, and AI-powered prescription validation.
Intelligent Quadcopter Drone <ul style="list-style-type: none">Built a GPS-based autonomous drone (Raspberry Pi, LoRa, ESP32, PID control) for precision waypoint navigation.
Smart Cane for the Visually Impaired <ul style="list-style-type: none">Developed an assistive cane (RPi, GPS, ultrasonic, camera, TTS) capable of guiding blind users and describing urban environments.
Wooden Quadruped Rescue Robot – NRC UM6P <i>NRC UM6P</i>
<ul style="list-style-type: none">Designed a 4-legged rescue robot in 24h for a maze navigation/survivor-retrieval challenge using servo and ultrasonic control.
Autonomous Trash-Collecting Robot <ul style="list-style-type: none">Built an AI rover using RPi + camera + robotic arm to identify and collect waste from floor environments.
Industrial Automation Projects (ETISOFT, AVIFEED, SAFIEC, etc.) <i>ETISOFT, AVIFEED, SAFIEC, etc.</i>
<ul style="list-style-type: none">Restored machinery, rebuilt circuits, co-designed PLC systems, and performed thermal diagnostics at various industrial sites.

KEY SKILLS

- Technical Skills:** Mechanical Design, Mechanical Testing, Robotic Arm and Actuator Design, Mechanical Assembly & Prototyping, CAD Modeling (SolidWorks, Fusion 360, AutoCAD), Exposure to AI-Driven Optimization in Mechanical Design, Automation & Industrial Maintenance, Arduino / ESP32 / Raspberry Pi, PLC Programming (Siemens, LAD), Electrical Cabinet Wiring, Python, OpenCV, TensorFlow, AI Model Handling, Prompt Engineering, IoT, LoRa Communication, Embedded Systems, Robotics

- **Soft Skills:** Problem Solving, Teamwork & Collaboration, Leadership, Initiative & Autonomy, Project Management, Adaptability, Communication
- **Interests:** Robotics, tech innovation, student mentoring, technical competitions, industry 4.0, AI

ADDITIONAL INFORMATION

- **Certificates of Participation:** NRC (UM6P), ARB (ENSAM), A3C (UIR), NMC (ENSA), NURC (UPF)

EXTRA-CURRICULAR ACTIVITIES

FSDM Robotics Club (Fès)

Lead Coordinator

- Key contributor and cross-functional leader involved in technical, mentoring, event, and communication teams.
- Operational lead behind multiple club initiatives and training sessions
- Supervised new member onboarding and technical mentoring
- Coordinated major events, including:
 - 3D Printing Day: Live demos, technical setup, participant guidance
 - Final-Year Project Day: Mentoring on project structure & delivery
- Acted as the main point of contact for all club divisions

FSDM and the Robotics Club

National Robotics Competitions – Team Leader & Representative

- Represented FSDM and the Robotics Club in several high-level national competitions, serving as team leader in most.
- Strengthened my leadership, strategic thinking, and technical coordination under pressure.
- NRC - National Robotics Competition (UM6P, Benguerir)
- NURC - National University Robotics Challenge (UPF, Fès)
- ARB - African Robotic Brains (ENSAM, Meknès)
- A3C - AI & Autonomous Car Challenge (UIR, Rabat)
- NMC - National Maker Challenge (ENSA, Kénitra)

INJAZ AI-Maghrib

Commercial Strategy & Business Lead

- Led the commercial strategy for MedXAccess, a smart AI-powered pharmacy kiosk system.
- Conducted market research, financial modeling, BMC development, and investor pitching
- Finalist - National Smart Health Startup Program
- Represented FSDM (Master Smart Industry) at regional juries and innovation events