

Amir Rehail

Industrial Maintenance Engineer

Nationality: Algerian

Date of Birth: 30/05/2003

Military Service: Exempted.

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• Professional Summary

Dedicated Industrial Maintenance Engineer with a Master's degree and a strong foundation in modern Industry 4.0 technologies. Skilled in preventive maintenance, CMMS, and mechanical troubleshooting, with unique expertise in integrating IoT, AI, and software solutions to optimize asset reliability and predictive maintenance. Proven ability to analyze complex systems, reduce equipment downtime, and drive technical innovation in industrial environments.

• Education

- **Bachelor's Degree in Industrial Maintenance:** University of August 20, 1955, Skikda. (July 2023)
- **Master's Degree in Industrial Maintenance:** University of August 20, 1955, Skikda. (July 2025)

• Academic Projects

- **Smart IIOT Preventive Maintenance System (Master's Thesis):** Developed a comprehensive vibration measurement system utilizing a custom sensor, fully customized Machine Learning model and IoT architecture to monitor rotating machinery and optimize preventive maintenance schedules.

• Professional Experience

- **President of a university scientific club:** IC T.E.A.M Club (November 2021 – November 2022)
- **Maintenance Trainee:** Agrodiv El-Harrouch. (January 2023)
 - Collaborated with senior technicians to execute preventive maintenance protocols and diagnose mechanical faults.
- **Trainer (Programming & Graphic Design):** For clubs and associations. (2021 - 2024)
- **Full-stack Developer & Sales Representative:** Pack Design Agency.(October 2024 – May 2025)
- **Administrative Assistant:** EHTP Aib Omar. (July 2025 – September 2025)

• Skills

- **Industrial Maintenance:** Preventive & Predictive Maintenance, Computerized Maintenance Management Systems (CMMS / GMAO), Equipment Troubleshooting.
- **Engineering Tools:** SolidWorks, Robotics, Arduino, Multimeters & Precision Tools.
- **Industry 4.0 & IT:** Internet of Things (IoT), Artificial Intelligence, Python, Java, React JS, Laravel, Database Architecture.
- **Soft Skills:** Leadership, Cross-department Communication, Problem-solving, Working under pressure.

• Languages

Arabic: Native language.

English: Technical.

French: Fluent.

• Interests

Internet of things.

Artificial Intelligence.

Industry 4.0.