

# **EDDANGUIR YOUNESS**

## **Industrial Electrical Technician**

## **& IoT / Smart Home**

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### **Professional Profile:**

Industrial Electrical Maintenance Technician with strong experience in electrical, electronic, and electromechanical maintenance. Also specialized in IoT, Smart Home systems, and automation, with projects implemented using Arduino, ESP32, and ESP8266. Capable of transforming conventional electrical installations into intelligent, connected, and automated systems.

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### **Skills:**

#### **Electrical & Industrial Maintenance:**

- Industrial and residential electrical maintenance.
- Electromechanical maintenance.
- Reading and interpreting electrical and electrotechnical diagrams.
- Electrical fault diagnosis and troubleshooting.
- Wiring of automated and semi-automated electrical panels.
- Installation, connection, and maintenance of electrical cabinets.

#### **Electronics & Automation:**

- Maintenance and repair of electronic boards.
- Soldering and desoldering of electronic components.
- Design, drawing, and simulation of electronic circuits.
- Basic industrial automation.

#### **IoT – Smart Home – Embedded Systems:**

- Development of Smart Home systems.
- Programming with Arduino, ESP32, ESP8266.
- Use of sensors (temperature, humidity, motion, gas, light, relays...).
- Wi-Fi, Bluetooth, BLE communication.
- Control and automation of electrical equipment.
- Creation of intelligent scenarios (lighting, security, energy).
- Integration with mobile applications (MIT App Inventor, Kodular).

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### **IoT & Smart Home Projects:**

#### **Smart Home System:**

- Intelligent control of lighting and electrical outlets.
- Remote control via smartphone.

Use of ESP32 and relay modules.

Automation based on schedules, presence, and environmental conditions.

#### **Environmental Monitoring System:**

Measurement of temperature and humidity.

Real-time display.

Automatic alerts based on predefined thresholds.

#### **Robotics & Automation Projects:**

Obstacle-avoiding robot.

Line-following robot.

Automation based on sensors and actuators.

#### **Electrical Systems Automation:**

Control of motors and electrical equipment.

Automation of simple processes.

Integration of sensors + relays + microcontrollers.

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#### **Software & Tools:**

Arduino IDE.

Proteus Professional.

QElectroTech.

Schemaplic.

FESTO FluidSIM.

Simence Automation.

Microsoft Office.

Web & Mobile Development.

Artificial Intelligence (AI) Tools.

Other...

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#### **Work Experience :**

##### **2023 – 2024: Internship – MAROCAIN DES JEUX ET LOISIRS**

Maintenance of electromechanical machines.

Reading, studying, and simulating electronic diagrams.

Diagnosis and repair of electronic faults.

Soldering and desoldering components.

##### **2021 – 2022: Internship – VETRA-SOFT SARL**

Maintenance of electronic boards.

Analysis and simulation of electronic diagrams.

Identification and repair of faults.

Interventions on electronic boards.

##### **2016 – 2018: Technician – ELECTRICAL WORK-SHOP SARL**

Maintenance of electrical systems.

Study and simulation of electrotechnical diagrams.

Maintenance and troubleshooting of industrial installations.

Wiring of automated electrical panels.

Installation and maintenance of electrical cabinets.

**2013 – 2015: Alternating Internship – ELECTRICAL WORK-SHOP SARL**

Wiring of electrical panels.  
Reading electrotechnical plans.  
Wiring, connection, and installation.  
Maintenance of residential and industrial installations.

**2012 – 2013: Internship – INFO-PHON**

Maintenance of electronic boards.  
Reading electronic diagrams.  
Diagnosis and repair of faults.  
Soldering and desoldering.

**2012 – 2013: Internship – NOLA-ELEC SARL**

Maintenance of electrical installations.  
Cable pulling and wiring of residential cabinets.

**2012 – 2013: Internship – ELEC-SMA SARL**

Wiring of industrial panels.  
Reading industrial electrical diagrams.  
Installation and connection of electrical cabinets.

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**Education:**

**July – December 2025:** Simplon Maghreb – Full Stack Developer Training.

**2013 – 2015:** Technician Diploma in Industrial Electrical Maintenance – OFPPT.

**2011 – 2013:** Qualification Diploma in Industrial Electrical Maintenance – OFPPT.

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**Languages:**

**Arabic:** Native.  
**French:** Intermediate.  
**English:** Technical level.

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**Interests:**

IoT & Smart Home.  
Industrial automation.  
Arduino & ESP32.  
Embedded electronics.  
Programming and development of robotic and automated systems.  
Technology projects & innovation.  
Technology watch and innovation.  
Music.  
Skating.  
Other...