

# KHOULOU OTHMANI

Electrical Engineering Student |  
Specializing in Biomedical Systems & IOT

Address: 07 Ariana 2041,  
Tunis

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com

Phone: +216 54-042-358

## PROFILE INFO

I am a passionate and results-oriented electrical engineer with a strong background in designing and optimizing electronic systems. My diverse skill set covers multiple engineering fields, with particular expertise in IoT, embedded systems, and other related technologies.

## EDUCATION

2021 - 2024

HIGHER INSTITUTE OF MEDICAL  
TECHNOLOGIES OF TUNIS

- National Bachelor's degree in  
Biomedical Engineering

2024

NATIONAL HIGHER SCHOOL OF  
ENGINEERS OF TUNIS

- National Engineering Degree

## SKILLS

### Embedded Systems & Electronics:

- Electronic system design
- Embedded programming
- Microcontrollers and FPGA
- Digital signal processing
- Circuit simulation (MATLAB, Simulink, LTspice)
- Renewable energy and photovoltaic systems
- Software development for embedded systems

### Programming & Tools:

- C, C++, Python, MATLAB, Simulink
- GIT, GitHub

### Others:

- Technical project management
- Version control (Git, GitHub)

## WORK EXPERIENCE

### Intern - WE TEKUP Startup

Tunis, Tunisia  
July 1 - July 31, 2025

- Participated in an innovation-oriented engineering project within a tech startup environment.
- Contributed to embedded system development and electronic prototyping.
- Worked in a multidisciplinary team on applied IoT and software integration tasks.

### IoT Instructor - Summer Clubs

- Created and taught hands-on workshops on IoT devices, sensors, and Arduino/C++ programming to beginners.

### Intern - PCB Circuits

- Improved PCB circuit performance and efficiency through design optimization and simulation tools

### Intern - Maternity Hospital

april 2024

- Supported medical staff in ensuring the functionality of critical devices for childbirth and maternal care.

### Intern - Radiotherapy and Radiodiagnosis Department

Salah Azaiz Hospital, June - August 2023

- Assisted in the operation and maintenance of radiotherapy and diagnostic imaging equipment.

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## LANGUAGES

- English  
(Fluent)
- French (Fluent)

### Intern - Biomedical Maintenance Department

Rabta Hospital, June - July 2022

- Assisted with the maintenance and servicing of biomedical equipment.
- Supported the repair and calibration of medical devices.

## CERTIFICATES

1st Place – Satellite Startup Training Certification

4rd Place – AEES TSYP Challenge 2024

Arduino , ESP32 and solidWorks Certifications

Additional Certifications in Statistics and Management

Machine Learning Onramp

Deep Learning Onramp

MATLAB Onramp