

# Bacem Aouni



📍 cité Riadh, Sousse 4000, Tunisie

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## 🎓 EDUCATION

**Industrial electronics,**  
*National School of Engineers of Sousse (ENISo)*  
09/2019 – 06/2022

**Math/Physics,**  
*Preparatory Institute for engineering studies of Gafsa*  
09/2016 – 06/2019

**Baccalaureate degree in Mathematics,**  
*Pioneer School of Gafsa*  
09/2012 – 06/2016

## 🌐 LANGUAGES

Arabic      ● ● ● ● ●

English     ● ● ● ● ●

French      ● ● ● ● ●

## 🧠 SOFT SKILLS

Leadership

Communication

Problem-Solving

Teamwork

Adaptability

## 📁 EXPERIENCE

**Vice President, IEEE ENISo Student Branch**  
09/2020 – 06/2021

**Treasurer, IEEE IAS Chapter ENISo SB**  
10/2019 – 06/2020

## 🧩 INTERNSHIPS

**METS\_Dräxlmaier Group Tunisia,**  
*Embedded Systems engineer intern*  
02/2022 – 06/2022

- Creation and validation of a tracking system for special production equipment using RFID Technology

**EMKA Electronic Ouerdanine**  
08/2021 – 09/2021

- Design and realization of a vehicle tracking system based on the STM32 card.
- Realization of a graphic interface for the GPS configuration.

**YAZAKI TUNISIA GAFSA**  
08/2020

## 🧩 TECHNICAL PROFICIENCIES

**Programming language, c/c++, python**

**Communication protocols, CAN, I2C, SPI, Ethernet**

**Boards, STM32, PIC16, DSP, Arduino**

**Tools, Proteus(ISIS), Matlab, STM32 Cube, STEP7, XILINX ISE Design, Visual Studio Code(VSC), Labview**

## 📁 PROJECTS

**Intelligent Road Unit,**  
*1st place in Hi-Q Hackathon'21*

- Design and development of interconnected, remotely controlled and communicating modules.
- Keywords: Automotive, IoT, AI, Smart street, I2V communication

**IHeart**  
09/2021 – 12/2021

- The construction of an artificial heart pumping system.
- Keywords : STM32, nodeMcu, c++

**HelpiFy**  
02/2020 – 05/2020

- Security box that in one click allows you to send SMS, containing your GPS coordinates and a pre-programmed message if needed.
- Keywords : STM32, C