



## PROFILE

I am currently a student at the Private School of Engineers ESPRIT and hold a degree in electronics, electrotechnics and automation obtained from the Faculty of Sciences of Tunis with a very good mention. Passionate about new technologies, I am looking for a summer internship in the fields of Cloud, DevOps or Machine Learning to develop my skills and gain professional experience.

## CONTACT

Birthday  
08-08-1999

Nationality  
Tunisian

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28352835

## LANGUAGE

Arabic: Native

English: Advanced

French: Professional

German: Beginner

## PROGRAMMING LANGUAGES:

C, Python, Arduino, Java, JavaScript, Bash.

## CERTIFICAT

Google machine learning  
(Prerequisites and Prework)

# MOHSEN BERNAOUI

## EDUCATION

### Computer Science

#### Esprit (Private Higher School of Engineering and Technologies)

09/2022-Present Day

I have acquired many skills, including soft skills through a mini-project in English and French. I have also developed hard skills. My integration into the IEEE Club has also provided me with several opportunities, such as the XTREME event, which allowed me to develop my problem-solving skills.

### Electronics, Electrical Engineering and Automation

#### Faculty of Sciences of Tunis

09/2019-06/2022

During my three years at the Faculty of Sciences of Tunis, I received a solid education in electronics, particularly in the field of embedded systems.

## PROJETS

### Control of an Incubator Using an STM32 Board and Matlab (Academic)

February 2022

For my final year project, I focused on designing an incubator for premature babies. To accomplish this, I utilized a pre-programmable STM32 board and Matlab software. By using a PID (proportional-integral-derivative) controller directed by the Takashi method to control the incubator parameters, we ensured an adequate environment for newly born babies.

### Municipalities Voting Management (Academic)

Novembre 2022

This project involved using the Linux operating system (Ubuntu) and a Framework, which presented a challenge for us. The main programming language used was C, and we eventually achieved a successful integration between the different management systems.

### Machine Learning Project (Personal)

Ongoing

As I will have the choice of a specialization next year, I have decided to conduct research for it. To accomplish this, I have conducted DataScraping on a website using the Request and BeautifulSoup libraries in Python, followed by organizing the DataSet with the Pandas and Numpy libraries.

I have acquired a large DataSet (more than 5000 rows in Excel) for this purpose.