

# MANSOURI Anas

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22 years old

## Engineering student in embedded systems and industrial computing

National School of Applied Sciences of Fez



### FORMATION:

- 2019-2020 :** 3<sup>rd</sup> year in embedded Systems and Industrial computing engineering at ENSA of Fez.
- 2018-2019 :** 1<sup>st</sup> year in embedded Systems and Industrial computing engineering at ENSA of Fez.
- 2016-2018 :** Integrated preparatory cycle at ENSA of Fez .
- 2015-2016 :** high school degree at Allal Al Fassi high school at Fez.

### EXPERIENCE:

- 01/07/2020-31/08/2020:** internship inside Siger Laboratory, Fes for Subject:  
**Training an artificial intelligent model to detect people infected with covid-19 using a thermal camera.**
- 11/07/2019-11/08/2019:** Introductory internship inside Yazaki, Meknes for Subject:  
**create an intelligent system to improve the security of the work environment using an Arduino, ESP32 and a native mobile app.**

### SKILLS:

- ✓ **Programming languages:** Embedded C, C++, Python, VHDL, Java SE, Java EE, Dart.
- ✓ **Software:** Matlab, Modelsim, Catia, MikroC, Proteus, MPLAB, Cisco Packet Tracer, STS, XamppServer, Code Composer Studio.
- ✓ **Industrial Computing:**
  - ✓  $\mu$ P and  $\mu$ C Programming: DSP(TMS320C6713), Raspberry PI, Arduino, STM32.
  - ✓ Programmable logic controllers programming: Ladder & Grafset.
- ✓ **Technics:**
  - ✓ Operating systems: FreeRtos, XENOMAI, Embedded Linux: (Creation Configuration and Resizing of a Linux kernel).
  - ✓ Design of integrated circuits using the VHDL language and implementation on FPGA.
  - ✓ Embedded Software and optimization of coding in embedded C.
  - ✓ MATLAB, State flow and Simulink.
  - ✓ Embedded Java: Applet, Servlet.
  - ✓ Artificial intelligence and neural networks. (OpenCV, TensorFlow, Scikit-Learn, Pandas)
  - ✓ MySQL, Sqlite3, Git, V-model, TCP/IP stack, IPV4.
- ✓ **Web and mobile development:** HTML, CSS, JavaScript, PHP, Django, Flutter.

### PROJECTS:

- Creation of a smart home iot system (server side) based on edge computing, using SFTP protocol, Restful service and Spring Boot.
- Creation of a data-logger using a raspberry pi and power consumption sensors.
- Creation of an app with flutter and Django to manage a water purifier company.

### LANGUAGES:

French: Fluent  
English: Fluent

