MANSOURI Anas

4 Derb cherkaoui fes jdid Fez
Morocco
+212 6 01 46 22 64
anas.mansouri@usmba.ac.ma
22 years old

Engineering student in embedded systems and industrial computing

National School of Applied Sciences of Fez

FORMATION:

2019-2020 : 2nd year in embedded Systems and Industrial computing engineering at ENSA of Fez.

2018-2019 : 1st 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:

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**:
  - ✓ µP and µC Programming: DSP(TMS320C6713), Raspberry PI, Arduino, STM32.
  - ✓ Programmable logic controllers programming: Ladder & Grafcet.
- ✓ **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)
  - ✓ Information system and Database: MySQL, Sqlite3.
  - ✓ Git, V-model.
- ✓ **Networks and Protocols:** TCP/IP stack, IPV4.
- ✓ **Web development**: HTML, CSS, JavaScript, PHP, Django.
- ✓ **Android development**: Flutter, Android Studio.

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.

LANGUAGES:

French: good level
English: good level
Spanish: basic

EXTRACURRICULAR

2019-2020: member in the technical club HardSoft Developpers at ENSA of Fez.