HELMI HNICH

BIOMEDICAL ENGINEER
SOFTWARE-DEVELOPER

PERSONAL PROFILE

I seek challenging opportunities where I can fully use and improve my skills for the success of the group.

SKILLS & ABILITIES

★Computer science :
    C Language / C++ / Java / SQL
    Python/ node js/ nosql / React js
    MATLAB / ISIS / Solid Works
    UI & UX Design
    IOT / Node-Red / Tia portal
    Photoshop / Video Montage
★Electronics:
    Arduino / Raspberry pi / ESP32 / STM32
    Diagnostic
    Soldering of electronic components
★Electrics :
    Three-phase assembly

INFORMATION

♠ +216 23732984
♠ hnich.helmi@gmail.co
♠ Bardo Tunis
♠ 12/Jan/2001 (22 years)
♠ linkedin.com/in/helmi-hnich

LANGUES

♣ Anglais ★★★★★
♣ Français ★★★★★
♣ Arabe ★★★★★
♣ Allemand ★★★★★

SOCIAL ACTIVITIES

- **Injaz Tunisia Alumni ISTMT** : Member
- **Par'Act ISTMT** : Member
- **BioMedInnov** : Member
- **Tunsa Club ISTMT:** Design Leader
- **GDSC ISTMT**: Content leader

WORK EXPERIENCE

Biomedical Technician   (10/2021 - 01/2022)

Maintenance department :Maternity And Neonatal Center Wassila Bourguiba

Internship ,One day weekly :
Diagnostic and discover medical machines : baby respirator-incubator-surveillance monitor-electric scalpel-x-ray...

IOT developer   (04/2023 - 05/2023)

EMERTXE

A remote internship. My mission is to develop softwares for controlling smart houses

Biomedical Engineer   06/2023

SADEK MKADDEM HOSIPITAL DJERBA

Internship, for a month :

Diagnostic and fix medical machines : baby respirator-incubator-surveillance monitor-electric scalpel-x-ray...

EDUCATION AND COURSES

Higher Institute Of Medical Technologies Of Tunis   (09/2022 - now)

Master of Engineering: Biomedical Engineering
- Field : processing and health informatics technology

Higher Institute Of Medical Technologies Of Tunis   (09/2019 - 06/2022)

Bachelor: Biomedical Engineering

Field : Embedded System

Digital Marketing   (03/2020)

Wecode

PROJECTS

Injaz Tunisia Alumni istmt : Muro   (10/2021– 12/2021)

It's a competition which I made with my group smart glasses that helps people with vision diseases to read papers, detect objects and money, Using artificial intelligence.

Medtech innovation : Muro   (19/0 2/2022– 21/02/2022)

Medtech innovation is a competition. I win with my group the second price in using the glasses project.

Idea contest : DigiSmile   (19/0 5/2022– 21/05/2022)

Idea contest is a program of helping people who have diseases.
I made a prototype of a web platform that helps disabled people to have an income by selling their arts existing in the association BASMA (association which helps this people in Tunis).

End of study project: Temperature traceability system   (18/0 1/2022– 20/06/2022)

An iot system (internet of things) to track the temperature of food refrigerators. Embedded system's device with a website (raspberry pi – esp32 – nodejs – mongodb).

Sign language translator   (05/02/2023 – 07/05/2023)

It's a medical web app helps doctors to make communication easily with deaf people. we are using for this project a camera which sends a real streaming to a server to translate the sign language in real time.