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GHASSEN MECHMECH

IOT ENGINEER

ABOUT ME

An engineering students specializing in telecommunications/IoT at ESPRIT Schhol of engineering. A member in loSys Club, a scout active leader, civil society activist. A good teamplayer with significant adaptability and stress management skills.

EDUCATION

- ▶ Engineering diploma in Telecommunication/IOT
ESPRIT 2021 -In progress
- ▶ Applied license in computer technologies, Embedded and mobile system.
ISETN 2020
- ▶ High school, Diploma Technical Section
LMMN 2018

SKILLS

Coding Languages

Python, Java, C.

Web technologies

HTML, CSS,Symfony,PHP, Spring Boot, Angular, NodeJS.

Mobile technologies

Android Studio,

DevOps technologies

Docker,Kubernetes.

Database Tools

MySQL, MongoDB.

Electronic boards

ARDUINO, ESP32/8266,ESP-CAM,Attiny RASPBERRY,Pisoc..

Serial communication protocol

SPI, I2C,UART

Machine learning technologies

Tensorflow,OpenCV.

LANGUAGES

- Arabic (native language)
- English (Advanced)
- French (Intermediate)

WORK EXPERIENCE

- ▶ Graduation Project | SAGEMCOM jan2020-jun2020
Development and implementation of a test system for electronic boards.
 - The first solution was using camera and Deep Learning (Tensorflow/Raspberry).
 - the second solution was implemented using LABVIEW built in computer vision.
- ▶ Internship | ESSID Company jan2019-Feb2020
Achievement of a Wireless system to localise malfunctioning part of production sequence by detecting the damaged pieces of ceramique(esp01,wifi,firebase)
- ▶ Initiation internship | SEF Info jan2020-jun2020
Computer installation and maintenance

PROJECTS

- ▶ Interactive platform(Node js/Angular/MongoDB) with car through its obd connector that enables user to:
 - Make a diagnosis and clean error codes
 - Read all car informations (speed,température..) in reel time (cellular network)
 - Monitoring driver stress level(Machine learning/Raspberry Pi).
 - Voice Assistant(PyTorch) ,Car tracker with GPS ...
- ▶«Wellness Center»Plateform web/mobile/desktop (Synfony,javafx,android)
- ▶Gas pipeline corrosion detection robot (Tensorflow ,Tkinter,Raspberry...).
- ▶Cloud connected mobile access control system(ESP-cam,Firestore).
- ▶Videos-Phone/alarm Controlled from everywhere(Dynamic-DNS, Nlp,html).
- ▶Bank management BackEnd(MicroService,Springboot).
- ▶Development on Programmable Boards (Raspberry,VHDL,PIC..).