

SLIM SOUSOU

Fresh graduate with a Licence degree in Information and Communication Technologies (ICT) specializing in the Internet of Things (IoT), passionate about embedded systems, IoT, machine learning, deep learning, aiming to apply my technical and analytical skills to contribute to technological innovation.



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PROFESSIONAL INTERNSHIPS

End of Study Internship | Facial Recognition Attendance system

01/02/2024 – 06/06/2024 Lab ESSE | ENET'Com, SFAX

Developed an innovative web application for managing teacher presence using advanced facial recognition technology.

- Keywords:** Facial recognition, Raspberry Pi, OpenCV, Dlib, Flask, API.

Implementation of a Carrier Tracking platform

01/09/2023 – 27/09/2023 Smart Ways Innovation | SFAX

Created a web application for monitoring driver state information.

- Keywords:** HTML, CSS, TypeScript, Angular, Firebase.

Driver vigilance monitoring and control system via the Internet of Things and artificial intelligence

01/08/2023 – 31/08/2023 Smart Ways Innovation | SFAX

Implemented a driver alert system to detect signs of fatigue or inattention using a smart camera with visual, auditory, or vibratory alerts, allowing drivers to react before it's too late.

- Keywords:** Raspberry Pi, Python, Firebase, MTCNN, SVM, FaceNet.

Automated command input and LED control via CAN bus

01/07/2023 – 31/07/2023 Primattec Engineering | SFAX

Study and implementation of the CAN field network to establish communication between two nodes, where each node will consist of a microcontroller (Arduino Uno), a CAN controller MCP2515, and a TJA1050 transceiver.

- Keywords:** C, Arduino IDE, SPI, CAN MCP2515, Arduino Uno.

Summer intern

01/08/2022 – 30/08/2022 Tunisie Telecom | CSC Sfax Medina

Familiarized with telecommunications services and equipment, and understood the hierarchy of a telephone network.

ACADEMIC PROJECTS

Cat-Dog Classification

2023/2024 ENET'COM | SFAX

Created a precise machine learning model to generalize and correctly classify new images of cats and dogs with high accuracy.

- Keywords:** scikit-learn, SVM, Python, Pandas, Matplotlib.

Real Estate Price Prediction:

2023/2024 ENET'COM | SFAX

- Keywords:** scikit-learn, linear regression, Pandas, matplotlib.

Bank Account Management Web Platform

01/02/2022 – 30/03/2024 ENET'COM | SFAX

Added and consulted new bank accounts for each client.

- Keywords:** Java EE, Apache NetBeans IDE, phpMyAdmin, MySQL.

EDUCATION

Licence Degree in Information and Communication Technologies: specializing in IoT

National School of Electronics and Telecommunications of Sfax (ENET'Com)

2021 – 2024

Baccalaureate in Experimental Sciences

Secondary School Habib Maazoun , SFAX

2020/2021

TECHNICAL SKILLS

PythonCJavaC++

Android StudioMatlab

STM32Raspberry PiArduino

FirebaseMySQL

WindowsLinuxOpenCV

NumpyPandasTensorflow

MatplotlibkerasFlask

CERTIFICATIONS

IBM

Deep Learning and Reinforcement Learning

DeepLearning.AI

Convolutional Neural Networks

LANGUAGES

- ENGLISHB2
- FRENCHB2
- SPANISHB1
- ARABICNative

ASSOCIATIVE LIFE

Treasurer
NATEG Club, ENET'Com
 2022 – 2023