



AHMED BEN AISSA

CONTACT

- +216 21005090
- ahmed.benaissa@insat.ucar.tn
- <https://www.linkedin.com/in/ahmed-ben-aissa-092851216/>

INTERESTS

- Martial Arts: Krav Maga
- Fencing
- Swimming
- Basketball
- Reading & Writing

VOLUNTEER EXPERIENCE

Clubs:

- IEEE-CS Chapter
2020-2021
- Securinets (CyberSecurity)
2020-2021
- Enactus INSAT (social entrepreneurship)
2021-2023
- Won national competition in 2022
- ACM (Association for Computing Machinery)
2022-Present

LANGUAGE

Arabic



English



French



German



ABOUT ME

As a highly motivated and ambitious 3rd year engineering student, I am passionate about a wide range of technologies including but not limited to Machine Learning, Internet of Things and Telecommunications techniques.

I'm a fast learner and a great problem solver with a proven ability to thrive in high-pressure environments. My current goal is to improve my technical skills and gain experience solving real-world problems.

EDUCATION

COMPUTER NETWORKS AND TELECOMMUNICATIONS ENGINEERING 2020-PRESENT

*National Institute of Applied Sciences and
Technology (INSAT)*

HIGHSCHOOL DIPLOMA 2020

Sadiki Highschool

- Mathematics Major
- Highest honors in the national exam (16.38/20)
- SAT score of 1360/1600

PROJECTS

FIRE AND ASPHYXIATION DANGER PREVENTION DEVICE

Development of the arduino code and structure of a device utilizing the esp32 SoC that detects excess gas in enclosed spaces and alerts the user through audio and visual alert signals as well as messages on his phone through the MQTT protocol.

KEYWORDS: ESP32, MQTT, ARDUINO

CAR LICENSE PLATE NUMBER RECOGNITION

Currently working on the development of a computer vision model utilizing OpenCV and TensorFlow to detect and read license plate numbers for parking applications.

KEYWORDS: OPENCV, TENSORFLOW

IMAGE GENERATION

Currently working on the development of a deep learning model using Deep Convolutional Generative Adversarial Networks (DCGAN) utilizing PyTorch that generates images based on a given dataset with multiple possible applications.

KEYWORDS: DCGAN, PYTORCH

SKILLS

DATA ANALYSIS AND VISUALIZATION WITH PYTHON:

- NUMPY, PANDAS, MATPLOTLIB, SCIKIT-LEARN ...

DATABASE MANAGEMENT:

- SQL
- SQL SERVER AND SSMS (BACKUP, RESTORE, ROLES, USERS ETC...)

JAVA:

- OOP CONCEPTS, GUI, MULTI-THREADING, SERIALIZATION, COLLECTIONS...
- SPRING BOOT, MAVEN...

PROTOCOL ENGINEERING:

- FINITE-STATE MACHINE (FSM), PROMELLA PROGRAMMING ...

LINUX OPERATING SYSTEM:

- BASICS, NETWORKING, BASH SCRIPTING...

IOT DEVELOPMENT:

- ARDUINO PROGRAMMING, ESP32...