

Mohamed Toumi

Advanced Technologies Engineering Student

I am Mohamed TOUMI, a first-year student pursuing advanced technologies engineering. As a self-taught computer science enthusiast deeply passionate about technology, I have dedicated numerous hours to honing my skills in computer programming, algorithms, and data structures. My learning journey has been enriched through online courses, extensive reading, and hands-on projects.



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EDUCATION

Advanced Technologies Engineering ENSTA Borj Cedria

09/2023 - Present

PROJECTS

Food Delivery App

- Developed a full stack food delivery web app using HTML/CSS/JS for frontend and Express.js for backend, with MongoDB Atlas as the database with a responsive design.

Smart Learning Cube (12/2023 - Present)

- Led collaborative development of an embedded system project, taking full ownership of execution. Spearheaded creation of a Flutter application for system control, showcasing adeptness in software development and effective teamwork. This experience enriched proficiency in both embedded systems and app development, highlighting leadership and collaborative skills within dynamic team environments.

Advanced RAT

- Developed a Remote Access Trojan with various functionalities, including remote camera access, screen sharing, keylogging, voice capturing, and reverse shell, implemented using Python.

Crypto Miner

- Developed a persistent crypto miner malware written in C/C++ for mining XMR cryptocurrencies with features like persistence, decide automatically the number of threads used for mining (less suspicious).

VOLUNTEERING

Member

ETC Junior Enterprise

09/2023 - Present

civil social nonprofit organization established and executed entirely by students of a university or a business school

Member

IEEE

02/2023 - Present

IEEE is a technical professional society dedicated to advancing technology and innovation

Event Sponsorship Manager

Google Developer Student Club

09/2022 - 03/2023

ENIT GOT THE FLAG is a ctf competition.

SKILLS

C++

Python

Java

JS

MongoDB

SQL

Spring

ExpressJS

Angular

TensorFlow

Linux

OOP

Threading

Version Control

UML

ACHIEVEMENTS

IEEEEXTREME 2022

Ranked 40th in Tunisia and 700+ worldwide in ieeextreme, a competitive programming contest held by IEEE.

1st place in Coding Knight (10/2023)

A 5-hour competitive programming contest.

1st place in ML Olympiad - MLAct Pose Detection (03/2023)

ML Olympiad is an associated Kaggle Community Competitions hosted by Google ML communities, supported by Google Developers.

CERTIFICATIONS

Machine Learning Specialization

<https://www.coursera.org/account/accomplishments/specialization/certificate/QM5NT7CBB94E>

ML Academy Certificate

https://drive.google.com/file/d/1Zim67G2Q7hICK5alUAD8GG8LLK8Gux_r/view

Google Cloud Platform

https://www.cloudskillsboost.google/public_profiles/173ba8a1-b052-49d2-8b4c-08d1e1686873

LANGUAGES

English

Professional Working Proficiency

French

Professional Working Proficiency

Arabic

Native or Bilingual Proficiency

INTERESTS

Competitive Programming

Problem Solving