

Mohamed Toumi

Computer Scientist

I'm TOUMI Mohamed, a self taught computer science enthusiast with the passion for technology, I have spent countless hours teaching myself computer programming, algorithms and data structures through online courses, books and hands on projects.



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📄 portfolio-toumi-mohamed.onrender.com/

🐙 github.com/ZeroDayOutplay

EDUCATION

Advanced Technologies Engineering ENSTA Borj Cedria

09/2023 - Present

PERSONAL PROJECTS

Image Compressor

- Developed an image compression solution using the K-Means algorithm, an unsupervised machine learning technique, to significantly reduce the number of colors in images. Leveraged Python programming to implement this efficient compression algorithm, reducing the color palette to a specified number.

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. Implemented responsive design.

Advanced RAT

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

Portfolio Website

- Simple dynamic portfolio website using HTML/CSS/JS/ExpressJS and MongoDB

Crypto Miner

- 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).

WORK EXPERIENCE

Community Member MLACT

02/2023 - Present

MLAct is an ML Community that is officially supported by Google among 77 ML Communities in the world.

Event Sponsorship Manager Google Developer Student Club

09/2022 - 03/2023

ENIT GOT THE FLAG is a ctf competition.

Member Google Developer Student Club

09/2022 - Present

University based community groups for students interested in Google developer technologies.

SKILLS

C++

Python

HTML/CSS

JS

NodeJS

MongoDB

Linux

MySQL

TensorFlow

Google Cloud Platform

Threading

OpenCV

OOP

DBMS

Threading

Version Control

ACHIEVEMENTS

IEEEEXTREME 2022

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

Kaggle Profile

<https://www.kaggle.com/zeroday0utplay>

Zindi Profile

<https://zindi.africa/users/ZeroDayOutplay>

CERTIFICATES

Machine Learning Specialization

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

Google Cloud Platform

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

ML Academy Certificate

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

LANGUAGES

English

Professional Working Proficiency

French

Professional Working Proficiency

Arabic

Native or Bilingual Proficiency

INTERESTS

Competitive Programming

Problem Solving

Data Science Competing