Mohamed Toumi
Computer Scientist

I'm TOUMI Mohamed, a self taught computer science enthausiast 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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⚙ github.com/ZeroDay0utplay

EDUCATION

Advanced Technologies Engineering
ENSTA Borj Cedria

09/2023 - Present

PERSONAL PROJECTS

Image Compressor
- Developed an advanced 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 cryptocoins 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

IEEEXTREME 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