Mohamed Toumi

Computer Scientist

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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🖥 portfolio-toumi-mohamed.onrender.com/

○ github.com/ZeroDay0utplay

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 cryptocoins with features like persistence, decide automatically the number of threads used for mining (less suspicious).

WORK EXPERIENCE

Member
ETC Junior Entreprise

09/2023 - Present

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

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 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