Youssef DAOUAYRY

COMPUTER SCIENCE STUDENT

I am currently pursuing a Master's degree in Cryptology and Cybersecurity at the Faculty of Science and Technology of Al Hoceima, deeply passionate about advancing my knowledge and expertise in computer science and cybersecurity realms, and i am seeking an end-of-year internship.

CONTACT

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15 august 2001

Ajdir Taza, Morocco

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SKILLS

- **Programming languages :**

Python - Flask - C++ - C# - JAVA - SQL - HTML/CSS/JS

- **Databases:**

MySQL - Mongo DB

- **OPERATING SYSTEMS:**

Windows - Linux

- **Cyber-Security :**

Encryption technologies
VPNs
IDS systems

- **Machine and Deep learning :**

Regression - Classification
Convolutional Neural Networks
Recurrent Neural Networks

LANGUAGES

Arabic : Native
English : Intermediate
French : Intermediate

INTERESTS

Chess
Video Games
Learning New Technologies

EDUCATION

Since October 2023

M1: Master's Degree in Cryptology and Cybersecurity

Faculty of Science and Technology Al Hoceima

2021 - 2022

Bachelor's Degree in Mathematics and Computer Science

Faculty of Science and Technology Al Hoceima

2018 - 2019

Baccalaureate of Science in Physics and Chemistry

2 octobre 1955 Aknoul High School

PROFESSIONAL EXPERIENCES

End-of-studies Internship at RDEETA of TAZA

Development of a Desktop Application for Electronic Mail Management

- **Frontend :** Utilizing **Visual Studio** for the user interface
- **Backend :** Implementing backend functionalities using **C++**, enabling the handling of email processing, storage and retrieval operations .
- **Database :** using **MySQL** as a database management system.

PROJECTS

Developing a Desktop Application for handling JSON Web Tokens (JWTs)

- **Frontend :** Utilizing **QT framework** to design a user-friendly interface,
- **Backend :** Integrating a JWT library into the application's backend using **C++**, enabling the generation and validation of JWTs. Supported hash functions include HS256, HS384, and HS512, leveraging **OpenSSL** for cryptographic operations.

Setting up a Site-to-Site VPN using GNS3 and Packet Analysis with Wireshark

- Configuring routers and establishing a secure VPN tunnel between two remote networks using **GNS3** network simulation software.
- Implementing IP addressing, NAT translations and static routing.
- Analyzing network traffic with **Wireshark .**

Developing a Machine Learning System for Malicious URL Detection

- a user-friendly interface with HTML/CSS and JavaScript.
- Utilized Flask and Python libraries. Implementing machine learning algorithms to classify URLs as benign or malicious, enhancing model accuracy through data preprocessing and feature engineering.

CERTIFICATIONS

- Network Security by CISCO
- Career Essentials in Cybersecurity by Microsoft and LinkedIn