

# Dina Elmnajja Networking Cybersecurity Student

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📍 Beni bouayach Al Hoceima

🔗 Portfolio\_dina

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## 🎓 Education

### Master's in Cryptology and Cybersecurity.

Faculty of Science and Techniques. 📄

2023 – 2025

Al Hoceima

### Bachelor's degree in mathematics and computer science.

Faculty of Science and Techniques 📄

2022 – 2023

Al Hoceima

### MIP: Mathematical Information Physics

Faculty of Science and Techniques. 📄

2020 – 2022

Al Hoceima

### Baccalaureate in physical sciences and chemistry.

Ibn al-Banna' al-Marrakushi

2019 – 2020

## 💼 Professional Experience

### Network Security Internship - ONDA (National Airports Authority), Al Hoceima

Configuration and securing of network communications of RINAM (Moroccan Air Navigation IP Network) via VPN (IPsec), SSH, and intrusion detection with Snort.

08/2024 – 09/2024

Al Hoceima

## 🧠 Skills

**Developement** — Python | Java | C++ | Html/Css, **Cybersecurity** — Linux | Cryptology | SQL | Bash Shell | WAF | ACM,

**Networking** — VPN-IPSEC | SSL/TLS | SSH, **AWS** — EC2 | Config | ALB | Route 53 | Global accelerator | S3

## 📁 Academic and Personal projects

### Desktop Application for Generating and Validating JSON Web Tokens (JWT)

Development with Qt/C++, integration of OpenSSL to implement algorithms such as HS256.

12/2023 – 01/2024

### Time Series Forecasting Using Deep Learning

Analysis of Yahoo Finance data, comparison of ARIMA/LSTM models, and creation of an interactive web interface.(Final-Year Project)

04/2023 – 06/2023

### Data and Communication Encryption Using SSL/TLS and IPsec

Creation of self-signed certificates, simulation of VPN IPSEC in GNS3, and traffic analysis with Wireshark.

03/2024 – 06/2024

### Development of a Security Application

Threat detection, phishing identification, and hashing (MD5/SHA1) with a Python backend and Qt Designer interface.

07/2024 – 08/2024

### Mushroom Classification Project Using Machine Learning

Creation of a flexible application with Flask and Python that allows users to make predictions.

03/2024 – 06/2024

### Applications of Error-Correcting Codes in Python and PyQt5

Development of the first application: Message encryption using Goppa and cyclic codes.Development of the second application: Vernam encryption with one-time key cryptography.

05/2024 – 06/2024

### AWS Cloud Security Architecture Project

Designed and implemented a secure AWS cloud architecture for a publicly accessible web application hosted on an EC2 instance (Apache server)

10/2024 – 11/2024

## 📄 Certificates

• Essential career elements in cybersecurity by Microsoft and LinkedIn.

• Network security (Cisco).

## 🌐 Languages

• English

• French

• Arabic