⊙ Blida ✉ abdmalek.2004@outlook.com ▢ 213 660278880 in in/abdmalek-messaoudi

SUMMARY

Versatile cybersecurity enthusiast and full-stack developer with hands-on experience in reverse engineering, malware analysis, and CTFs. Skilled in hardware-level debugging, cryptographic problem-solving, and building scalable web/mobile apps using the MERN stack and Flutter. Strong foundation in secure deployment and automation using modern DevOps tools.

EXPERIENCE

previous CTF
apoorv CTF, vishwa CTF, nexZERO.FTC, pico CTF, DataBounty
· Working on groups to capture the flags.
· Learning the latest cybersecurity threats.
· Connecting with people on the fields and experts.

training manger
CSCC   **September 2024 - May 2025, blida**
· I was responsible for training members by providing the best resources, bringing in good teachers and external trainers, and guiding them through their journey at university. I also bring assist to their PFC and PFE by offering support and guidance, helping them flourish both inside and outside the university.

PROJECT

Smart warhouse inventory system
Hackathon(Nest) · github.com/Malek4522
· Worked in a team of three to build a complete system, including a management platform and autonomous robots for stock delivery between designated points

supply chain optimization
Hackathon(tatweer) · github.com/Malek4522
· Worked in a team of four to develop a full-featured supply chain management and optimization system. The project included modules for warehouse management and analytics, a client-facing purchasing interface, and intelligent route optimization for truck drivers. The system detected traffic conditions and driver behavior, such as turning off cooling systems to conserve energy. It also monitored stock levels in real time and automatically triggered purchases from selected trusted vendors when inventory fell below threshold. Contributed to system architecture, backend logic, and real-time data processing to enhance efficiency and

accommodation mangment system
Hackathone(boumrdes smart city) · github.com/Malek4522
· Developed an accommodation and tourism management tool for the city of Boumerdes, designed to support local tourism. The system included listings and management features for **hotels, restaurants, guest houses, hostels, and other lodging options**, as well as **points of interest**, **events**, **festivals**, and cultural attractions. Integrated a **ticketing system** for event access and venue entry. The platform aimed to enhance the tourist experience in Boumerdes by centralizing information and simplifying planning and bookings.

EDUCATION

Cyber Security degree
USDB(blida 1) · blida · 2024

Comupter Science degree
USDB(blida 1) · BLIDA · 2022

CERTIFICATIONS

Cetification
· https://www.credly.com/users/messaoudi-abd-malek

SKILLS

· **Cybersecurity & Reverse Engineering:**
 · Experience in **CTFs** (Capture The Flag)

· Strong focus on **reverse engineering**, malware analysis
· Tools: **Ghidra, IDA Pro, x64dbg, Wireshark ...**
· **Cryptography & Crypto Challenges:**
 · Knowledge of classical and modern cryptographic algorithms
 · Tools: **CyberChef, SageMath, Hashcat**
· **Hardware Hacking:**
 · Basic hardware reverse engineering
 · Tools: **Logic analyzers,Arduino,Esp32**
· **Full Stack Development:**
 · MERN stack: **MongoDB, Express.js, React.js, Node.js**
 · Mobile development with **Flutter + Dart**
 · REST APIs, WebSockets, authentication, and state management
· **Deployment & DevOps Basics:**
 · Containerization: **Docker**
 · Cloud hosting: **Render, Vercel, Heroku, Firebase**
 · Deployment tools: **Git, GitHub Actions**