CONTACT

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- Born 29 May 1999

SECURITY & NETWORK

Wazuh (SIEM) · TheHive · Cortex · Shuffle SOAR · Burp Suite · Nmap · Wireshark · Kali Linux · hashcat · MITRE ATT&CK · OWASP API Top 10 · Cisco ASAv · OSPF · MPLS · GNS3 · EVE-NG · RADIUS / AAA · Zabbix

DEVELOPMENT

LANGUAGES

Python · C / C++ · Java · JavaScript · TypeScript · SQL · Solidity

FRAMEWORKS & STACK

FastAPI · React · Next.js · Node.js · Spring Boot · Symfony 7 · Tauri / Rust · PostgreSQL · Docker

SYSTEMS & CLOUD

Linux · Ubuntu · Windows · AWS · Git

EMBEDDED & HARDWARE

STM32 · ESP32 · Arduino · Raspberry Pi

LANGUAGES

- **Arabic** — Native
- **French** — Fluent
- **English** — Professional

INTERESTS

- Homelab & self-hosting
- Offensive security / CTF
- Embedded & IoT systems
- Quantum & post-quantum crypto

Mohamed Guizani

Cybersecurity Engineering Student

SOC / BLUE TEAM · OFFENSIVE TESTING · NETWORK SECURITY · SECURE DEVELOPMENT

Fourth-year Cybersecurity Engineering student building on a Licence in Embedded Systems. I explore the field broadly — from SOC operations and SIEM/SOAR pipelines to offensive API testing, network hardening and secure development — and I build full labs end-to-end. **Seeking a summer internship in cybersecurity** where I can contribute hands-on and grow with an experienced team.

KEY SECURITY PROJECTS

API Penetration Test & Automation Dashboard — 2026 · Offensive

Full OWASP API Top 10 audit on VAmPI — 6 findings (4 critical). Cracked an HS256 JWT secret with hashcat and forged admin tokens; chained BOLA + Mass Assignment into account takeover. Built a dashboard that re-runs the audit and exports a PDF report.

`Kali Linux · Burp Suite · hashcat · FastAPI · React · PostgreSQL · Docker`

Distributed SOC with AI-Powered Triage — 2026 · Blue Team

Open-source SOC across two physical hosts unifying SIEM, incident response and SOAR into one detection-to-response pipeline, with a locally-hosted Llama 3 model for AI alert enrichment so no data leaves the lab. ZeroTier mesh VPN over CGNAT.

`Wazuh · TheHive · Cortex · Shuffle SOAR · Ollama / Llama 3 · ZeroTier · EVE-NG`

IP/MPLS Backbone with Firewall & DMZ — 2025–26 · Network

Hardened enterprise IP/MPLS backbone: dual Cisco ASAv firewalls in active/standby HA with stateful replication, a segmented DMZ (SMTP/WWW/DNS) under strict ACLs, OSPF routing and AAA via RADIUS — integrated into Zabbix monitoring.

`Cisco ASAv · OSPF · MPLS · RADIUS · Zabbix · EVE-NG · GNS3`

Emotet Malware — Complete Analysis — 2026 · Threat Intel

End-to-end analysis of the Emotet loader — infection chain, persistence, C2 and evasion — via static & dynamic methods. Extracted IOCs for detection engineering and mapped the kill chain to MITRE ATT&CK.

`Malware Analysis · MITRE ATT&CK · IOCs · Sandbox · Threat Intel`

SafeClub — Blockchain DAO Treasury — 2025–26 · Web3

Secure on-chain treasury & governance smart contract (propose → vote → execute) hardened with OpenZeppelin access control and a ReentrancyGuard on payouts; quorum + majority, deadline-bound, one-vote-per-member. React + ethers.js dashboard.

`Solidity · Hardhat · OpenZeppelin · ethers.js · React · TypeScript`

SELECTED FULL-STACK & EMBEDDED PROJECTS

Smart Surveillance Platform · CV

Face-recognition pipeline + tamper-evident SHA-256 watermarking; real-time WebSocket monitoring with JWT auth.

`FastAPI · React · OpenCV · PostgreSQL · Docker`

Jobs & Internships Platform · Web

Role-based recruitment portal (Candidate / Company / Admin) with 8 Doctrine entities and application tracking.

`Symfony 7 · PHP · Doctrine ORM · MySQL`

IoT Visitor Access Control · Embedded

Raspberry Pi 4 secure access-control & monitoring system with hardened communication protocols.

`Raspberry Pi 4 · Python · Access Control`

Beauty Center Desktop App · Desktop

Production cross-platform suite for appointments, staff & client files; RBAC, audit trail and compliance logging.

`Tauri 2 / Rust · React 19 · TypeScript · JWT`

IoT/AI Agricultural Optimization · IoT

Multi-role app centralizing sensor data with predictive AI recommendations — cut water use by ~20%.

`Java · Spring Boot · JavaFX · AI/ML`

Arduino Line-Follower Robot · ENIT Comp.

Competition robot with sensor fusion, obstacle detection and line-tracking control built for the ENIT contest.

`Arduino · C · Sensors · Control Systems`

EXPERIENCE

Senior Technician — Electronics · COFAT — 02/2023 – 06/2023

Tunis, Tunisia · Automotive (Volkswagen, SEAT)

- Designed an automotive cable tester and an electronic box-support tester, improving testing accuracy and efficiency.
- Collaborated with senior engineers on remediation strategies using durable, efficient circuit components.

Summer Intern · TBC — Technopole Borj Cedria — 07/2022

Tunis, Tunisia · Renewable Energy

- Built a sun-tracking solar-panel system with light sensors and tracking algorithms for optimal energy capture.
- Developed the control system for panel positioning; tested and documented the full design.

EDUCATION

Cybersecurity Engineering — 4th Year (in progress)

TEK-UP University · Tunisia

SSIR — Security of Systems, Networks & Computing · network security, SOC operations, penetration testing & applied cryptography.

Licence in Embedded Systems

Tunisia

Electronics, embedded & IoT systems, microcontrollers (Arduino, ESP32, STM32, Raspberry Pi).