Saleh Eddine Touil

☐ +216 52 750 718 | @ saleh.touil@icloud.com | 🔗 LinkedIn | ⌨ GitHub | 🌐 portfolio.salehtouil.tech | 📍 Soukra, Ariana, Tunisia

PROFILE

Results-driven developer and cybersecurity enthusiast pursuing an ICT degree at ISET'COM Tunis. Certified across cybersecurity, networking, and web development. Passionate about securing networks, solving CTF challenges, and contributing to innovative projects. Committed to continuous learning and applying expertise to real-world challenges.

RESEARCH INTERESTS

Adversarial Machine Learning (evasion/robustness/privacy) — Web & API Security — Threat Hunting and Attack Reconstruction — Secure AI Integration — Log Analysis and Correlation

EDUCATION

Higher Institute of Technological Studies in Communications of Tunis
Bachelor in ICT (Final Year); **Expected Graduation: 2026**
Key modules: Cybersecurity (Networking/Audit), Security of Systems/Services and Wireless Communications, Signal Transmission

CSc High School of Soukra (Baccalaureate) | Soukra, Ariana, Tunisia
Baccalaureate (Computer Science) | *Sep 2017 – Jun 2021*

TRAINING

GoMyCode Hackerspace (LAC 1) | Tunis, Tunisia
Cybersecurity Training | *Feb 2022 – May 2022*
- Hands-on cybersecurity training covering core security concepts, practical workflows, and applied labs.

PROFESSIONAL EXPERIENCE

Megapc | Tunis, Tunisia (On-site)
Ai Integration & Web Security Engineer | *Jul 2025 – Sep 2025*
- Integrated AI solutions (chatbot, intelligent PC builder, product recommender) into production web systems.
- Automated workflows using n8n and DeepSeek to reduce repetitive tasks and improve turnaround time.
- Hardened backoffice and website against broken authentication, exposed/public APIs, and privilege escalation paths.

Jetpack Delivery | Ariana, Tunisia (On-site)
Debrief Administrator (Part-time) | *May 2025 – Jul 2025*
- Operational support role focused on structured reporting/debriefing, coordination, and process follow-up.

KEYSTONE Group | Tunis, Tunisia
Cybersecurity Intern | *Jan 2025 – Feb 2025*
- Supported security assessments and red-team style testing; vulnerability discovery, documentation, and remediation focus.

DefensyLAB | Tunis, Tunisia
SOC Analyst L1 Intern | *Jun 2024 – Aug 2024*
- Handled SOC tickets and alert queues: triage, enrichment, prioritization, and escalation to appropriate levels.
- Performed log analysis and basic correlation to validate alerts and reduce false positives.
- Supported incident response workflow with clear documentation, timelines, and reporting for follow-up actions.

Petshouse.tn | Tunisia (Hybrid)
Web Developer & Project Manager | *Jan 2024 – Sep 2024*
- Specialized in Odoo web development and customized solutions for invoicing, e-commerce, and shop management (MVP pattern).
- Streamlined business operations by developing automated invoicing features, reducing manual errors by **20%**.

- Increased online sales by **25%** through SEO optimization and targeted marketing campaigns.
- Managed CRM integration and social media strategies to improve customer engagement and retention.

OUSSMAN4WD Automotive   Tunis, Tunisia (On-site)
Web Developer   *Jan 2023 – Mar 2023*
- Developed and maintained website components; strengthened foundations in practical web delivery and maintenance.

Orange Tunisia (Orange Business Services)   Tunis, Tunisia
Intern Data Analyst   *Jan 2022 – Feb 2022*
- Conducted data cleaning, filtering, and dashboard creation for reporting and analytics.
- Improved data accuracy by **15%** through efficient data cleaning processes.
- Collaborated with cross-functional teams to deliver actionable insights for business decision-making.

PROJECTS

LogChat (Tutored Project) | *Admin Dashboard for Log Correlation + LLM-assisted Analysis*   2025
- Developed an admin dashboard to ingest, visualize, and correlate multi-source logs for investigations and security operations.
- Implemented real-time / near real-time monitoring views to support faster detection and incident triage.
- Designed correlation logic using historical logs as baseline/context to connect events into higher-level narratives.
- Integrated an LLM-assisted layer to summarize log streams, extract key indicators, and support analyst-style Q&A over events.

AI Integration for E-commerce Systems | *Chatbot, Recommender, PC Builder*   2025
- Designed and integrated AI-driven features into existing Next.JS web architecture.

Security Hardening of Backoffice & Public APIs   2025
- Reviewed authentication/authorization logic, reduced risky public endpoints, and mitigated privilege escalation vectors.

Security Automation Workflows | *n8n + AI*   2025
- Built automation pipelines to streamline operational tasks and support faster response to repetitive workflows.

GoReconX | *OSINT & Network Recon Platform in Go (AI-assisted Reporting)*   2025
- Designed and implemented a modular **OSINT + active reconnaissance** platform in **Golang** with a clean internal architecture and extensible module interface.
- Implemented reconnaissance capabilities such as **subdomain enumeration**, **website technology/header analysis**, **directory enumeration**, and **port scanning** with service detection.
- Integrated **AI-assisted analysis** (Google Gemini API) to generate executive summaries, risk classification, and actionable security recommendations from scan results.
- Built a reporting pipeline supporting multi-format exports (e.g., **JSON/HTML/PDF/CSV**) with structured findings and management-friendly summaries.
- Added operational security features: ethical usage disclaimer, **audit logging**, configuration management, and secure local storage for API keys.

E-Books E-commerce Platform | *MERN Stack*   2024
- Built a full-stack e-commerce platform for selling digital e-books using MongoDB, Express, React, and Node.js.
- Implemented core flows (catalog, user accounts, admin management) in a production-like architecture.

C2S Sales Management Backoffice | *PHP, SQL Server (PDO), Tailwind CSS, Chart.js*   2024
- Developed a web backoffice for sales operations to manage **clients, products, orders, invoices**, and inventory-related metadata (families, ranges, zones, circuits).
- Implemented **authentication** for admins and sales representatives, including session handling and logout flow.
- Built CRUD modules with structured pages and reusable UI components (navbar/sidebar) using **Tailwind CSS** for a responsive interface.
- Created interactive **sales analytics dashboards** using **Chart.js** (sales by product, client, zone, representative, family, and monthly trends).
- Integrated database access with **PDO** and SQL Server, organizing the application around clear feature modules and maintainable structure.

ACS Quality Management System (QMS) | *MERN Stack (Full-Stack Web App)*   2024

- Developed a MERN-based Quality Management System (QMS) web application for ACS with a structured backend architecture.
- Implemented RESTful API design with clear **routes**, **controllers**, and **models** for maintainable feature expansion.
- Built reusable **Express middlewares** for authentication/authorization flow, request validation, and error handling.
- Designed database schema in **MongoDB** to support QMS workflows and consistent data integrity across modules.

AI-Assisted Fitness App | *Flutter, Android Studio, Personalized Coaching Chatbot* 2024
- Developed a mobile fitness application in **Flutter** (Android Studio) focused on improving user activity tracking and engagement.
- Implemented enhanced tracking features to monitor user activity and progress for a more consistent fitness follow-up experience.
- Built a chatbot experience that uses the user profile (e.g., weight, height, diet preferences, goals, and activity history) to provide personalized guidance.
- Designed the app flow to deliver a tailored user journey (recommendations, reminders, and goal-oriented interactions) based on stored user data.

Snort IDS Lab | *Signature-based + Behavior-based Detection (Web, SSH, Network)* 2023
- Built a detection lab using **Snort** with **VMs and Docker** to simulate realistic web applications, SSH services, and network traffic.
- Wrote and tuned **signature-based rules** for web attacks (e.g., suspicious URI patterns, common injection indicators) and SSH brute-force patterns.
- Designed **behavior-based rules** using thresholds/rate-based logic (e.g., repeated failed logins, scanning behavior, abnormal request rates).
- Validated detections by generating attack traffic and iterating on rules to reduce false positives and improve signal quality.

OpenSSL PKI Mini-Lab | *Certificates, Signing, Verification, TLS Basics* 2023
- Built a mini Public Key Infrastructure (PKI) lab using **OpenSSL**: generated private keys, CSRs, and X.509 certificates.
- Created a simple CA workflow: certificate issuance, signing, and validation; managed certificate chains and basic trust verification.
- Practiced cryptographic operations: signing and verifying data, inspecting certificates, and checking integrity/authenticity properties.
- Tested certificates in local services to understand real-world usage (client/server authentication concepts and TLS certificate handling).

CAPTURE THE FLAG (CTF) & COMPETITIONS

Team: no!dea

1st Place – DarkNets CTF 3.0 (2025)
1st Place – Cr4ck0ut CTF 2.0
2nd Place – CyberSphere Congress CTF (2025, SecuriNets INSAT × Engineers Spark ISET'COM)
2nd Place – Cybermaze CTF
2nd Place – SecuriNets TEK-UP CTF (Karrem) – *11 First Bloods*
Top 8 – Securinets INSAT International Finals (International / MENA)

Additional Rankings

1st Place – Engineers Spark FST CTF (Team TSUKOYOMI)
7th Place – Spark CTF (Engineers Spark ISET'COM)
8th Place – Darkest HOUR CTF (Securinets, 70 teams)
8th Place – FL1TZ CTF (115 teams)

Solo

PatriotCTF 2025 (solo): ranked 157th out of 1300+ teams; solved all Web and Reverse Engineering challenges.

Domains Practiced

Web Exploitation (SQLi, LFI, NoSQL, XPath, auth bypass, API abuse), Reverse Engineering (binaries, Android APK analysis), Forensics (PCAP and system artifacts), Cryptography (RSA, Diffie–Hellman), OSINT, Hardware, and Misc challenges.

Community & Leadership

Engineers Spark – ISET'COM
Tunis, Tunisia

Member → Technical Team Member
Sep 2021 – Aug 2023

- Participated in cybersecurity learning activities and competitions; contributed as a technical team member.

Interact Club Tunis Golden Eagles (ICTGE)
Tunis, Tunisia

Member
2019

- Service club for youth (ages 12–18), sponsored by Rotary Club Ariana La Rose.
- Participated in community service and teamwork-oriented activities that strengthened communication and leadership skills.

Conferences & Events Attended

RoundTech Tour
Tunis, Tunisia

Participant – IEEE Tek-Up Student Branch
2024

- Participated in roundtable discussions on technology trends and cybersecurity; engaged with professionals and researchers.

ISET'COM Cryptocurrency & Cybersecurity Conference
Tunis, Tunisia / Online

Attendee
Nov 2021

- Attended sessions on security challenges around emerging digital money formats, including fraud and AML-related risks.

Engineers Spark – ISET'COM Welcome Day
Tunis, Tunisia

Attendee / Club Integration Day
Oct 2021

- Attended a cybersecurity-focused integration day introducing club activities and opportunities.
- Session featured Bassem Lamouchi (CEO, Tunisian Cloud) discussing cybersecurity careers and answering student questions.

Digital Financial Services (DFS) Security Clinic
Tunis, Tunisia

Attendee (ISET'COM & International Telecommunication Union)
Oct, 2021

- Attended hands-on clinic sessions focused on security considerations for digital financial services and related risk areas.

Sun Day 2015 (Global Astronomy Month 2015)
Tunisia

Participant (Tunisian Youth and Science Association)
May, 2015

- Participated in a public science event celebrating Global Astronomy Month ("One People, One Sky").

Technical Skills

Programming Languages: Python, Go, C, C++, JavaScript, TypeScript, Bash, PHP, Java

Web Development: MERN Stack, Odoo, HTML, CSS/SCSS, jQuery, REST APIs

Mobile: JAVA, Flutter

Databases: MongoDB, MySQL, SQL Server

Tools: Git, VS Code/Visual Studio, Postman, WSL, Docker, Ubuntu, Android Studio, Apache, Nginx, MCP

Cyber Tools: Kali Linux, Nmap, Wireshark, Metasploit, Burp Suite, OWASP ZAP, Snort, Splunk, Volatility, Censys

Problem-Solving & Cyber Skills

Critical thinking and logical reasoning for vulnerability analysis; scripting/automation for repetitive tasks (Python, Bash); root cause analysis for security incidents.

Reconnaissance and information gathering (OSINT); exploitation and post-exploitation fundamentals; web application security concepts; basic cryptography exposure; social engineering testing concepts; wireless penetration testing exposure.

Other Skills

Project Management (Agile, Scrum, Kanban); Communication (technical reporting and collaboration); Time Management; Team Collaboration.

Languages

Arabic (Native), English (B2), French (B1)

Licenses & Certifications

API Security Fundamentals '25 (2 hours) — APIsec University — Nov 2025
Certified Cybersecurity Educator Professional (CCEP) — Red Team Leaders — Nov 2025
CCNA: Enterprise Networking, Security, and Automation — Cisco — Sep 2025
CCNA: Introduction to Networks — Cisco — Mar 2025
Certified in Cybersecurity Course Pre-assessment — ISC2 — Jan 2025 (Exp. Jan 2028)
Cybersecurity Fundamentals — IBM — Jan 2025
ISC2 Candidate — ISC2 — Jan 2025 (Exp. Jan 2028)
LFS158: Introduction to Kubernetes — The Linux Foundation — Jan 2025
LFS183: Introduction to Zero Trust — The Linux Foundation — Jan 2025
Prompt Engineering Foundation Learner — CertiProf — Jan 2025
AI Fundamentals — DataCamp — Nov 2024 (Credential ID: AIF0022303535121)
Data Literacy — DataCamp — Nov 2024 (Credential ID: DL0030384679331)
Network Addressing and Basic Troubleshooting — Cisco — Nov 2024
Network Support and Security — Cisco — Nov 2024
Network Technician Career Path — Cisco — Nov 2024
Networking Basics — Cisco — Nov 2024
Python Essentials I — Cisco — Nov 2024
Introduction to Cybersecurity — Cisco — Oct 2024
Introduction to Packet Tracer — Cisco — Oct 2024
Networking Devices and Initial Configuration — Cisco — Oct 2024
Introduction to Data Science — Cisco — Aug 2024
Cybersecurity Training — GoMyCode Hackerspace (LAC 1) — Feb 2022 – May 2022
CISSP (course) — Udemy — Jan 2022
Wireshark Packet Analysis — Udemy — Nov 2021
HTML/CSS/JavaScript/PHP/Java/C++ (Courses) — Udemy — 2020