

Melki Bahaeddine

📍 Valbonne, France ✉ Bahaeddine.melki@supcom.tn ☎ +33 605 703 683 in baha-melki-1a2ab71a7

About Me

Dual-degree post masters student in Security of Computer Systems and Communications with a keen interest in penetration testing. Persistence and continuous learning define my journey as K4v0r1 in CTF competitions, and I aspire to become one of the best penetration testers in the field.

Education

Post-Master's Degree in Security of Computer Systems and Communications EU-RECOM	2026
National Engineering Degree in ICT Higher School of Communication of Tunis (SUP'COM)	2024
Preparatory Degree in Mathematics-Physics (DEUPC) El-Manar Preparatory Institute for Engineering Studies	2022

Experience

Intern, KPMG Tunisia <ul style="list-style-type: none">Diagnosed and resolved technical issues for over 30 users within the internal network.Performed network troubleshooting and managed privilege escalation.Provided hands-on support for PC configurations and software installations.	July – August 2023
Intern, IEEE Tunisia Section <ul style="list-style-type: none">Developed machine learning models for receipt validation using Computer Vision and CNN, achieving over 89% accuracy.	July – September 2023

Projects

Zero-Knowledge SNARK Implementation <ul style="list-style-type: none">Implemented a zero knowledge proof system using the RUST programming language.	Oct 2024 – Jan 2025
Energy Consumption Prediction <ul style="list-style-type: none">Designed predictive models using LSTM and GRU for time-series analysis, achieving 91% accuracy.Delivered actionable insights to improve energy management efficiency.	Jan 2024 – May 2025
Opport'une – Mobile App Development <ul style="list-style-type: none">Developed a mobile app connecting job seekers and recruiters using Flutter and Firebase.Implemented job listings, user profiles, and real-time notifications.	Oct 2023 – Feb 2024
DIE LUX – Luxury Clothing Website <ul style="list-style-type: none">Led development of an e-commerce platform focused on luxury clothing.	Sept 2023 – Nov 2023

Voronoi Diagram Generator

Jan 2023 – Mar 2023

- Implemented algorithms in C to generate Voronoi diagrams from spatial data.

Certifications

- Cambridge Advanced English (CAE) Certificate
- Microsoft AI-900: Azure AI Fundamentals
- Qubits By Qubits X IBM Quantum: Introduction to Quantum Computing
- GoMyCode: Introduction to Cybersecurity
- (ISC)² CC Certificate

Technical Skills

Cybersecurity: Forensics, Cryptography, OSINT, GRC.

Penetration Testing: Web exploitation, Binary exploitation.

Web Development: HTML, CSS, Bootstrap, Angular, NodeJs.

Mobile Development: Flutter, Firebase, ReactJs.

Programming Languages: C, C++, Python, Matlab, Rust, PHP.

Databases: MySQL, Oracle, NoSQL.

Machine learning and AI: TensorFlow, Keras, PyTorch, Sklearn.

Languages

- Arabic: Maternal
- French: C1
- English: C2
- German: A2

Extracurricular Activities

- Active member of NOPS cybersecurity association.
- Actively competing in different national and international CTF.
- IEEE SUP'COM SB : Served on the HR committee and organizing committees for events such as MTS 2.0 and Deep Learning IndabaX 2024.