

ABDELMOEMEN KILANI

Computer Systems Engineering & IoT Student

📍 Kairouan, Tunisia 📞 +216 53 848 308 ✉ kilenimoemen2004@gmail.com

🐙 github.com/Stringuers 🔗 linkedin.com/in/abdelmoemen-kilani

Profile

Third-year Computer Systems and IoT Engineering student, passionate about cybersecurity and artificial intelligence. Currently seeking a **final-year internship (PFE)** to apply my technical skills and contribute to innovative projects. Active in CTF competitions and an IEEE member, combining rigor, curiosity, and teamwork.

Education

Bachelor's Degree in Computer Systems Engineering	2023 – Present
Higher Institute of Computer Science and Communication Technologies (ISITCom), Sousse	
Mathematics Baccalaureate	2023
Avenir High School, Kairouan	

Professional Experience

IoT Development Intern – BQUBE ITS, Tunis	Jul. 2025 – Aug. 2025
Developed IoT solutions based on microcontrollers, implemented embedded prototypes, and conducted firmware testing.	
DevOps Intern – VEO Worldwide Services, Tunis	Aug. 2025 – Sept. 2025
Integrated DevOps practices within SAP to enhance automation and reliability. Contributed to CI/CD pipelines and version management.	

Academic Projects

DefenSys – AI Vulnerability Detection Platform	2025
Automated code analysis to detect software vulnerabilities (CVE) using AI. Generated detailed security reports. <i>Tech: FastAPI, PostgreSQL, Redis, Celery, React, TypeScript, Tailwind, Vite</i>	
CTF Platform Bitwise – Full-Stack Web Application	2025
Interactive platform for cybersecurity learning with real-time challenge, team, and scoreboard management. <i>Tech: Next.js, React, NextAuth, Prisma, PostgreSQL, Socket.IO, Docker</i>	
Expense Tracker – Financial Management Web App	2024
Developed a web app to track expenses and income with category, budget, and report management. <i>Tech: JavaScript, CSS, HTML, PHP, MySQL</i>	
Solar Swarm Intelligence – Multi-Agent Solar Energy Optimization	2025
Designed a reinforcement learning-based multi-agent system to optimize and share solar energy. <i>Tech: Python, FastAPI, React, PyTorch, TensorFlow, Docker, Redis</i>	

Technical Skills

Languages: JavaScript, TypeScript, PHP, C/C++, Java, Python, ABAP
Frameworks: React, Next.js, FastAPI, Tailwind
Databases: MySQL, PostgreSQL, MongoDB
Systems & Tools: Linux, Git/GitLab, Docker, SAP
Cybersecurity: Pentesting, CTF, IoT Security
Embedded Systems: Arduino, ESP32, VHDL

Certifications

Cisco Certified Networking Basics	Mar. 2025
-----------------------------------	-----------

Competitions

IasTam (IEEE) – 1 st Place	Oct. 2025
Raksha Pentest (Securinets) – 4 th Place	Apr. 2025
Redroom Hackathon (Securinets) – 3 rd Place	Feb. 2025

Clubs & Organizations

Treasurer – IEEE ISITCom

2024 – Present

Managed club finances, ensured budget follow-up, and supported event organization.

Active Member – Securinets ISITCom

2023 – Present

Participated in cybersecurity activities and CTF competitions.

Active Member – ATAST ISITCom

2023 – Present

Contributed to projects and provided support for event organization.

Languages

Arabic (Fluent), English (Advanced), French (Advanced), German (Beginner)