

# SALAH EDDINE MEDKOUR

Network Engineer | IT Support Specialist

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GitHub: [github.com/salahmed-ctrlz](https://github.com/salahmed-ctrlz)

## SUMMARY

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Networks and Telecommunications Engineering Master's graduate with academic and practical training in networking (TCP/IP, VLAN, VPN, Cisco Packet Tracer, Wireshark), cybersecurity, and web development (JavaScript, React). Ready to deliver robust technical solutions in a Network Operations or Support role.

## EDUCATION

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### BADJI MOKHTAR UNIVERSITY OF ANNABA

Annaba, DZ

#### Master's in Networks & Telecommunications

Graduated June 2025

- **Final year project:** Implementation of an end-to-end encryption mechanism (E2EE) for real-time video via WebRTC. Built a browser-based encryption layer using Insertable Streams achieving **negligible latency (<15ms overhead)** in local benchmarks. **Top Score** | [\[Read Published Paper\]](#)
- **Coursework:** advanced networking, cybersecurity, secure communications, web development.

### Bachelor's Degree in Telecommunications

Graduated June 2023

## EXPERIENCE

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### Technical Lab Instructor (Python & ICT) - Contract

October 2025 - Present

Badji Mokhtar University of Annaba & ENS Annaba (Teachers Training School) (Onsite)

- Selected by the Faculty to instruct **180+ students** (Master's & Teacher Trainees) in Advanced Python, ICT essentials, including LMS platforms, digital literacy, and cybersecurity awareness.
- Engineered "AirQuiz" (Python/React), an offline-first platform to enable digital quizzes in low-connectivity labs, automating the grading workflow to reduce administrative time by **95%**.

### Freelancer Web Developer & Personal Projects

July 2024 - Present

Remote

- Develop and deploy portfolio websites and custom web applications for clients (**See Portfolio**), providing technical support for deployments, achieving a **100% resolution rate** for DNS configurations, hosting setups, and troubleshooting, including full domain name management.
- Maintained open-source projects (e.g., WebRTC video tools), configured Linux-based home labs to simulate network security scenarios (**Available on GitHub: salahmed-ctrlz**), and **Published** technical articles on cybersecurity vulnerabilities.

## LANGUAGES

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Arabic (native) | English (fluent) | French (advanced)

## TECHNICAL SKILLS AND CERTIFICATIONS

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**Certifications & Courses :** Google Cybersecurity Professional Certificate (Coursera) | Google IT Support Professional Certificate (Coursera) | EF SET English Certificate (C2 Proficient)

**Technical skills :** Networking (TCP/IP, VLAN, VPN) | Tools (Cisco Packet Tracer, Wireshark, Docker) | Development (JavaScript, React) | Systems (Linux Kali/Ubuntu, Windows Desktop/Server)

**Soft Skills :** Adaptive learning, problem solving, critical thinking, communication, mentorship, teamwork

**Interests :** Language Learning, Creative Writing, Literature, Philosophy, History, Generative AI, Gaming.