

Ilyes Amokrane Lezzoum

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Douera, Algiers, Algeria

It's all about frequencies. I am passionate about wireless and wired communication systems, electronics, signal transmission, networking, and mobile technologies. My primary interest lies in radio communications, which led me to specialise in Mobile Radio Networks for my Master's degree. My goal is to explore and deepen my understanding of the ICT world while continuously growing as an engineer in this field.

EDUCATION

- **University of Sciences and Technology Houari Boumediene (USTHB)** Algiers, Algeria
Master's in Mobile Radio Networks Sep 2024 – Jun 2026 (Expected)
 - **Main subjects:** Mobile network technologies (2G, 3G, 4G, 5G), radio network planning and optimization, digital communications, advanced coding theory, signal processing, radio communications and propagation.
- **University of Sciences and Technology Houari Boumediene (USTHB)** Algiers, Algeria
Bachelor's in Telecommunications Aug 2021 – May 2024
 - **Main subjects:** Analog and digital electronics and communication, signal theory, propagation, coding and information theory, networking, transmission lines and antennas.
 - **Bachelor project:** Study and design of an FM jammer.
- **Baccalaureate in Experimental Sciences** Algiers, Algeria
High School Diploma 2018 – 2021

SKILLS SUMMARY

- **Telecom & Networks:** Mobile networks knowledge, basic radio planning, L2/L3 Cisco configuration, low-voltage systems, IP camera networks.
- **Technical:** Atoll, Python, Matlab, Arduino, electronics, CST Microwave Studio, Proteus, Cisco Packet Tracer.
- **Tools:** MS Word, MS Excel, MS PowerPoint, LaTeX, Google Sheets, Adobe Illustrator.
- **Platforms:** Linux, Windows.
- **Languages:** Arabic (native), English (advanced), French (intermediate).

EXPERIENCE

- **EURL ADIS** Algiers, Algeria
Office Coordinator July 2025 – Nov 2025
 - **Operations & documentation:** Coordinating office and field activities, preparing documentation, writing technical reports, and handling invoices.
- **Ooredoo Algeria** Algiers, Algeria
Intern – Engineering Department Jun 2025 – Jul 2025
 - **Ran & Core :** Intern at the Engineering Department, exploring microwave and fiber optic, transmission, radio planning, and MPLS network.
- **National Office of Meteorology** Algiers, Algeria
Intern – Networking Department Jul 2025
 - **Enterprise networking:** Configured a Layer 3 Cisco switch with VLANs, DHCP, SSH access, MAC-based port security, and internet access via a 4G phone as a gateway. Gained practical experience on enterprise network infrastructure.
- **EURL ADIS** Algeria
Low Voltage Technician Jun 2024 – Sep 2024
 - **Low voltage systems:** installation and maintenance of security systems, fire alarms, CCTV, access control, network infrastructure, and collective TV satellite systems
- **Ericsson** Bab Ezzouar, Algiers, Algeria
Intern – Integration Department Aug 2023
 - **Mobile networks:** Explored site equipment and mobile networks (2G to 4G), and developed familiarity with Ericsson tools and work environment.
- **Algerie Telecom** Algiers, Algeria
Intern – Technical Department Mar 2023 – Apr 2023
 - **Wired access networks:** Worked on wired communication systems including ADSL and FTTH.

PROJECTS

- FM Radio Receiver
- FM Jammer
- SONAR System
- LoRa Messaging System
- Line Follower Robot
- Discord Bots (Python)

VOLUNTEER EXPERIENCE

- **CELEC USTHB – Club of the Electrical Engineering Faculty** Algiers, Algeria
Active Member (Technical Department / Event Department) Dec 2022 – Nov 2025
 - **Community & training:** Online community responsible, event and hackathon organiser, IT projects lead. Conducting online training sessions on Arduino, telecom, and electrical engineering.