Chihabeddine Merabet

Final-year Telecom and IP Network Engineering student at ENSTTIC with strong expertise in network protocols, advanced networking, and telecommunications. Proficient in network design, troubleshooting, and virtualization tools, with practical experience in internships at Algérie Télécom and ATM Mobilis. Skilled in programming, web development, and graphic design. My aim is to optimize network performance and innovate in the telecom industry.

Contact information:

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Key Skills

Networking Skills

- Fundamentals: OSI Model, TCP/IP, IPv4, IPv6, ARP
- Layer 2 and Layer 3 Networking: Subnetting (FLSM, VLSM), VLAN, Static Routing, RIP, EIGRP, STP, FHRP
- Network Services and Protocols: DNS, DHCP, NTP, NAT, FTP, HTTP
- Monitoring and Management: ACL, SNMP, Syslog, TR-069, Telnet, SSH

Advanced Networking Skills

- Core Networking: OSPF, BGP, IS-IS, MPLS
- Next-Gen Networking: Virtualization, Cloud, Data Center, VRF, SDN, NFV, SD-WAN, OpenFlow
- Telecom Infrastructure: VoIP, xDSL, MSAN, FTTx

Mobile Networking

- Traditional Networks: 2G (GSM), 3G (UMTS)
- IP-Based Networks: 4G (LTE), 5G (URLLC, eMBB, mMTC)
- Multiplexing Technologies: TDMA, FDMA, CDMA, OFDMA

Web Development

- HTML, CSS, JavaScript, PHP, WordPress

Cybersecurity

- Certified ISC2 Candidate: Web Security, Software Security, System Security

Programming and Scripting

- C, Java, Python, JavaScript, PHP, MATLAB

Databases and Analytics

- Databases: SQL
- Data Analysis: Python

Software and Tools

- Networking Tools: Cisco Packet Tracer, Wireshark, GNS3, VMware Workstation
- Development Tools: MATLAB, VS Code, XAMPP, Nicepage

Additionel skills

UI/UX Design

- Figma
- Nicepage
- Wordpress

Graphic Design and Video Editing

- Photoshop, Illustrator
- Premiere Pro, After Effects

Education

Ecole Nationale Supérieure des Télécommunications et des Technologies de l'Information et de la Communication (ENSTTIC), Oran, Algeria

- Fifth-Year Engineering Student
- Specialization: Telecom and IP Networks | Expected Graduation: 2025

Professional Experience

President of Horizon Club at ENSTTIC   **[November 2023-October 2024]**

Led and organized events, fostering leadership, teamwork, public speaking, project management, and event planning skills.

Internships

Algérie Télécom (Transmission centre, El Eulma, Sétif) – Internship   **[July 2022]**

- Gained hands-on experience with servers, data centres, routers, and switches.
- Learned FTTH technologies and MSAN VoIP systems.

ATM Mobilis (UOP and BSS, Sétif) – Paid Internship   **[August 2023-September 2023]**

- Worked on mobile networking maintenance for 3G and 4G.
- Developed knowledge of mobile network operations.

Algérie Télécom (EMRC, Sétif) – Paid Internship   **[July 2024]**

- Learned core networking protocols including MPLS, BGP, IS-IS, and OSPF.
- Configured specialized internet links using JunosOS and explored core network topology.

Projects

Simulating Core Network of an Internet Provider

- Designed, simulated and configured the core network infrastructure of an ISP using OSPF, BGP, and MPLS.
- Tools used: Cisco Packet Tracer and GNS3.

Horizon Club Website

- Designed a website for Horizon Club at ENSTTIC.

SaaS Dashboard and Mobile Application

- Created a dashboard and mobile app for a SaaS startup (Attendia).

Satellite Image Processing

- Analyzed ice melting using MATLAB.

Personal Website

- Developed and deployed a personal portfolio website.

Languages

- Arabic: Native
- English: Professional
- French: Professional