

# Rahal Chouaeb






## Junior Network Administrator

### Professional Summary

Master's graduate in Networking and Distributed Systems with solid academic knowledge in network design, configuration, and security. Familiar with CCNA-level concepts including routing, switching, VLANs, and network troubleshooting, supported by hands-on Packet Tracer projects. Skilled in Windows Server administration following the MCSA track, covering Active Directory, DNS, DHCP, and Group Policy.

Motivated to start a career as a Network Administrator, eager to apply my training in practical environments and continue growing my technical expertise through real-world experience.

### Contact

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### Technical Skills

- Networking: TCP/IP, Routing, Switching, VLANs, ACLs
- Tools: Cisco Packet Tracer
- systems: Windows Server (AD, DNS, DHCP, GPO)
- Protocols: NTP, DHCP, DNS, SNMP...
- Security: Network Access Control, Firewalls

### Soft Skills

- Teamwork & Collaboration
- Problem-Solving & Troubleshooting
- Adaptability
- Attention to Detail

### Languages

- Arabic (Native)
- french (B1/B2)
- English (B2)

### Education

#### Master's Degree in Networking and Distributed Systems *Ferhat Abbas University* 2022 - 2024

Master's Degree in Networking and Distributed Systems, providing a strong theoretical and practical foundation in network administration and security, client-server and peer-to-peer systems design, and communication protocols. Completed a final-year project focused on enhancing the security of synchronization protocols through anomaly detection.

#### Bachelor's Degree in Computer Systems *Ferhat Abbas University* 2019 - 2022

Comprehensive training covering the fundamentals of computer science, including operating systems, networking, programming, information systems, and web technologies. Completed practical projects, including the development of an e-commerce website, which strengthened both technical and methodological skills.

### Some Projects

#### University Network Project with Cisco Packet Tracer

Designed and configured a network topology for a university with two campuses and four faculties. Implemented VLANs for each department, configured routing using RIP v2 and static routing for external servers. Deployed a router-based DHCP server, a web server, and an email server. Configured switches and routers to ensure end-to-end connectivity, network segmentation, and security across administrative offices, faculties, and student labs.

#### Hotel Network Project with Cisco Packet Tracer

Designed and implemented a three-floor hotel network including multiple departments (reception, logistics, finance, HR, marketing, IT, administration). Configured VLANs for each department, interconnected three routers via serial DCE links, and implemented OSPF routing. Deployed a DHCP server for dynamic IP allocation, enabled SSH for secure remote administration, and configured port security on switches. The architecture ensured reliable connectivity, efficient segmentation, and enhanced network security.