

Mohammed Reqasse

Network and Telecommunications Engineering Student – ENSA Safi

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SUMMARY

22-year-old Network and Telecommunications Engineering student passionate about technology and innovation. Seeking opportunities in networking, telecommunications, or cybersecurity to learn and expand knowledge. Motivated and eager to learn, looking forward to gaining hands-on experience and contributing to real-world projects while working with experienced teams.

EDUCATION

ENSA Safi

Network and Telecommunications Engineering

Safi, Morocco
09/2022 – Present

Lycee Okba Ibnou Nafaa

Baccalaureate in Physical Sciences

Birjdid, Morocco
09/2018 – 06/2021

EXPERIENCE

Devaxio (devaxio.com)

Founder / Lead Developer

2025 – Present

- Founded and directed Devaxio, leading digital transformation for **15+** clients with focus on AI integration and web automation.
- Delivered **20+** high-performance, custom-built websites meeting diverse business requirements.
- Specialized in integrating AI tools into client workflows to automate processes and increase operational efficiency.

Devosoft Company

Summer Intern – Web Development

06/2025 – 08/2025

- Performed technical web development work while handling **10+** clients and overseeing client relationships.
- Collaborated effectively within an **8-person team** to deliver **3** completed web development projects.

Espace Esafaa

English Second Language Teacher

2023 – 2024

PROJECTS

MediConnect AI: Predictive Healthcare SDN

01/2026

- Engineered an intelligent patient management system merging AI with networking to optimize hospital operations using SDN (OpenDaylight Carbon) and Mininet.
- Processed **27,000** rows of hospital traffic data over **10 years** to train an AI model for predicting traffic surges.
- Reduced network response latency from **10 seconds** to **8 seconds** through optimized topology and dynamic resource allocation.
- Implemented **8 VLAN** segments for hospital departments.

EdgeWarden: IoT Smart Smoke Detection System

01/2026

- Engineered a transmission pipeline achieving **328m** LoRa range using **SF7** spreading factor for real-world deployment.
- Established **20+** rigorous test cases as QA Team Leader, defining success measures and providing final technical approval for production.
- Scaled the network from **2 to 50** nodes for scalable deployment.

Total Variation (TV) Image Restoration

- Developed a denoising suite implementing **3** distinct restoration methods (Chambolle, Split Bregman, Gradient Descent) to isolate and remove high-frequency noise.
- Benchmarked performance against 3 standard filters (Gaussian, Median, Mean), achieving superior edge preservation with PSNR above **22** and SSIM above **0.88**.
- Optimized algorithm convergence through iterative processing, utilizing 3D surface visualization across **100+** test iterations.

Optical Denial of Service (ODoS) Mitigation

12/2025

- Modeled ODoS attack on fiber optic links using OptiSystem v7.0 and VBScript to analyze impact.
- Implemented mitigation strategy maintaining a **Q factor of 11.80** even under **25 dBm** attack conditions.

RHEL System Security Project

11/2024

- Configured firewall, SELinux, and OpenSSH to secure RHEL-based system, managing access controls and network security.
- Applied system hardening techniques and simulated attacks to verify security controls and minimize vulnerabilities.

Wavelet Transform in Signal and Image Processing

12/2024

- Used wavelet transform techniques achieving 4:1 compression ratio for audio and image data while maintaining quality.
- Created MATLAB application to demonstrate and compare compression efficiency across multiple wavelet families.

TRAINING / CERTIFICATIONS

CCNA: Introduction to Networks	<i>Cisco</i>
CCNA: Switching, Routing, and Wireless Essentials – SRWE	<i>Cisco</i>
CCNA: Enterprise Networking, Security, and Automation	<i>Cisco</i>
CyberSecurity Bootcamp by CyberProStudy Ltd.	<i>Udemy</i>
Computer Networks Fundamentals	<i>Udemy</i>
Essentials of Data Transmissions	<i>Udemy</i>
MySQL for Beginners	<i>Udemy</i>

SKILLS

Networking & SDN	Networking and SDN · CCNA Certified · SDN (OpenDaylight Carbon, Mininet) · LoRa/IoT Architecture · VLAN Management
Development	Node.js · React · PHP · JavaScript · HTML5/CSS3 · VBScript · MATLAB · SQL
Systems & Tools	Linux Administration (Ubuntu) · LoRa/IoT · OptiSystem v7.0 · Network Diagnostics · CISCO Packet Tracer · WireShark
Data & AI	Large-scale Data Cleaning · Python · TensorFlow · Predictive Modelling · AI Workflow Automation
Leadership	QA and Testing Team Lead · Project Management · Agency Operations (Founder) · Teaching · Graphic Design
Design	Canva Pro · Adobe Photoshop · Adobe Lightroom · Figma
Agentic AI	Claude Code · n8n · Codex · AntiGravity

LANGUAGES

Arabic Native ●●●●●

English C1+ ●●●●●

French B2 ●●●●●