

Rezouali Raouf

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EDUCATION

University of Bouira | M.Sc. in Information Systems and Software Engineering **Bouira, Algeria**
Sep 2025 – Present Expected Graduation: 2027

- **Current coursework:** Operating Systems, Distributed Architectures, Advanced Algorithms.

University of Bouira | Bachelor of Science in Computer Science **Bouira, Algeria**
June 2025

- Developed a University Management System (Admin Web & NoSql Database) with grade of 18.75/20 (Top 10% of Class)

PROFESSIONAL EXPERIENCE

University of Bouira, Networks & Web Development Intern **Dec 2025 – Present**
(Re-appointed)

- Executed the migration of faculty computing systems by configuring and deploying secure Linux-based environments (Ubuntu).
- Collaborated senior engineers in using system administration tools such as Sophos, Webmin, phpMyAdmin, and PostgreSQL for server and database management.

University of Bouira, Networks & Web Development Intern **Feb 2025 – June 2025**

- Developed and deployed two WordPress-based applications for faculty libraries, including a custom PHP plugin to streamline staff authentication.
- Supported troubleshooting of servers and hardware components to verify system functionality and readiness.
- Maintained enterprise-level server infrastructure, including network cabling and hardware configuration.

SKILLS

Programming Languages: C (Network Programming, System Programming), JavaScript (ES6+), Bash Scripting.

Web Development: HTML5/CSS3/SCSS, Tailwind CSS, WordPress, RESTful API Integration.

Systems & Networking: Linux Administration (Arch, Ubuntu), HTTP Server Implementation, Network Protocols (TCP/IP), POSIX Threads, Server Configuration & Troubleshooting.

Tools & DevOps : Git/GitHub(version control), Postman, Webmin, FileZilla(FTP), Docker (familiar).

PROJECTS

Web Development & Network Programming **Nov 2025**
Multithreaded HTTP/1.1 Server (C, POSIX)

- A lightweight, HTTP server written in pure C with POSIX threads for concurrent connection handling
- Features Apache Common Log Format logging, path traversal protection, and keep-alive connections.
- Implements request timeout handling (5 seconds) and graceful error responses with proper HTTP status codes tested in Postman

Al-Moanes – Quran Recitation Web App **Jan 2026**

- Developed a responsive user interface using HTML5, SCSS, and Tailwind CSS, ensuring a seamless and accessible experience across mobile and desktop devices.

- Integrated external RESTful APIs to dynamically load Quranic verses and audio recitations.