

TIENDREBEOGO David

Digital Systems Engineering Student | AI Architect | Full-Stack Web Developer

Contacts

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Professional Profile

Engineering student in computer networks, telecommunications, and artificial intelligence systems applied to digital infrastructures. Trained in the design of resilient network architectures, optimization of routing protocols (OSPF, BGP, MPLS), and advanced performance analysis, I also possess a solid mastery of Full Stack Web development. Interested in intelligent monitoring, AI-based automation, and the development of solutions combining efficiency, security, and innovation.

Technical Skills

- Networking: IP Addressing, OSPF, BGP, RIP, MPLS, VLAN, STP, QoS, Multicast
- Telecommunications: FTTH/GPON, optical networks, PON, attenuation and optical budget
- Cloud & Virtualization: VMware, Hyper-V, Docker, Kubernetes
- Cybersecurity: Firewalls, VPN, IDS/IPS, Zero-Trust, Linux hardening
- AI & Automation: Python, TensorFlow, Scikit-learn, Ansible, AI for network monitoring
- Tools: Wireshark, GNS3, Cisco (Packet Tracer / GNS3), MATLAB, MS Office, CertiDocs, Linux/UNIX Administration

Professional Experience

Intern – Maison de l'Entreprise du Burkina Faso – Security Department

2024 - 2025

- Securing documents with CertiDocs.
- Maintenance of the House's network equipment.

Intern – Moov Africa – IT Outsourcing Department

2023 - 2024

- Participation in the administration and supervision of the group's IT infrastructure (networks, servers, critical services).
- Participation in preventive and corrective maintenance of network and telecommunications equipment.

Key Projects

- Design of a web-based engineering simulation platform for automated systems.
- Complete FTTH/GPON architecture: attenuation calculations, dimensioning, PON topology.
- Advanced IPv4/OSPF/RIP simulation and quantitative performance analysis.

Education

- First Year of Design Engineering – Institut Supérieur de Génie Électrique du Burkina Faso (ISGE-BF).

Certifications

- CCNA – Cisco
- Full-Stack Web Developer – Udemy
- Python for AI & Machine Learning

Languages

- French – Professional
- English – Fluent