



AL HASSANE BA

DUT Telecommunications & Networks
ESP Dakar · Internship

CONTACT

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SKILLS

TCP/IP Networks
Cisco IOS / CLI
OSPF · EIGRP · RIP
Wireshark · GNS3
Cybersecurity
Linux / Sysadmin
Python / Sockets
Asterisk / VoIP
SDN / OpenFlow
HTML · CSS · JS
Java · C · MySQL

LANGUAGES

Wolof ●●●●● Native
Français ●●●●● Bilingual
Arabe ●●●●○ Fluent
Anglais ●●●○○ Intermediate

SOFT SKILLS

- Autonomy
- Rigor & Precision
- Team Spirit
- Technical Curiosity
- Creativity
- Versatility

INTERESTS

- ⚽ Football
- 📺 Anime
- 📖 Reading
- 🧘 Meditation

AL HASSANE BA

DUT Telecommunications & Networks

Curious and rigorous student seeking an internship to apply skills in a professional environment.

EDUCATION

- 2024 – 2026 DUT Telecommunications & Networks (ongoing)**
École Supérieure Polytechnique, Dakar
- 2024 Baccalaureate S1 – Physical Sciences & Mathematics**
Maison de la Sagesse
- 2022 Baccalaureate – Islamic Studies**
Maison de la Sagesse

CERTIFICATIONS

- Feb 2026** Network Technician Career Path — Cisco Networking Academy
- 2025** Cybersecurity Analyst — FORCE-N Program
- 2025** CCNA 3 : Enterprise Networking, Security & Automation — Cisco Networking Academy
- 2025** CCNA 1: Introduction to Networks — Cisco Networking Academy
- 2024** HCIA-Datcom V1.0 — Huawei Talent Online
- 2024** Digital Commerce — FORCE-N Program

TECHNICAL PROJECTS

- 2025 Multi-Site Network Infrastructure – Smartech SA**
DGI-ESP · Dr K. GUEYE
Design and simulation of a complete WAN infrastructure under GNS3: multi-area OSPF routing (0/1/2), EIGRP AS100 and RIPv2 with bidirectional redistribution, 5 extended ACLs, MD5 authentication, and 6 annotated Wireshark captures.
[GNS3] [OSPF] [EIGRP] [RIP] [Wireshark] [ACL] [Cisco IOS]
- 2025 MPLS VPN Deployment**
Enterprise Architecture
Full deployment of an MPLS/VPN architecture: VRF, MP-BGP (VPNv4), multi-process OSPF, LDP and DHCP on simulated Cisco routers.
[MPLS] [VRF] [MP-BGP] [LDP] [OSPF] [Cisco IOS] [GNS3]
- 2025 SmartTechConnect – Client/Server Application**
DGI-ESP · Network Programming
Real-time collaborative platform over TCP/IP. Handles simultaneous connections, custom application protocol, and peer-to-peer WebRTC communication.
[Python] [Sockets] [WebRTC] [Node.js] [MySQL] [Socket.IO]
- 2025 SDN Virtualization**
Software-Defined Network
SDN architecture under Proxmox with OpenvSwitch and Ryu controller. Dynamic traffic segmentation via OpenFlow.
[SDN] [Proxmox] [Ryu] [OpenvSwitch] [OpenFlow]
- 2024 IP Telephony – Asterisk PBX**
Enterprise Telephony Project
Deployment of an Asterisk server with VLAN segmentation, SIP configuration, and internal extension interconnection tests.
[Asterisk] [VoIP] [SIP] [VLANs] [Linux]
- 2025 Creative Portfolio – alhassaneba.live**
Personal Project
Responsive portfolio website with advanced CSS animations.
[HTML5] [CSS3] [JavaScript] [GitHub]