Youssef HASSABI



2nd-year engineering student — Systems & Network Architecture

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Looking for: a summer 2027 internship in systems administration, networking or cybersecurity.

Education

Engineering degree (MSc level) — ENSEEIHT (Toulouse INP), Digital Sciences 2025 – 2028
2nd year: Systems and Network Architecture track

Preparatory classes MPSI – MP — *Lycée d'Excellence Mohammed VI, Casablanca* 2023 – 2025

Moroccan baccalaureate, Mathematical Sciences B — *Institut Les Palmiers, Casablanca* 2023

Professional experience

Systems & Network Intern June – July 2026
Somaport, port terminal operator — Casablanca, Morocco

- Studied the company's IT infrastructure and the day-to-day operations of a port terminal.
- **Designed and deployed a virtualised enterprise infrastructure lab**:
  - Virtualisation with **Proxmox VE** (hypervisor, virtual machines, bridged networking).
  - **Active Directory** domain (Windows Server 2016): users, DNS, Group Policy (GPO).
  - **Zabbix 7.0** monitoring on Debian 12 (MariaDB, Windows agents, **SNMP** on a Teltonika switch).
  - File shares with NTFS permissions and auditing; hardening (account lockout, firewalled RDP, event logging).
  - Troubleshooting and fixing network issues (routing, gateway, connection sharing).

Projects

Building a simplified ISP Feb – May 2026
Networking project, 1st year ENSEEIHT — individual project

- **IP addressing plan** and virtualised ISP architecture: routers, customer boxes (NAT), DMZs.
- Static then dynamic routing with **RIP** over a redundant core network.
- ISP services in DMZ (**web, DNS**) and a customer web server reachable from another customer.
- Secured traffic with **iptables** filtering; traffic analysis with **Wireshark**.

Superpowers Monopoly 2025 – 2026
Team programming project, 1st year ENSEEIHT

- Developed a Monopoly-inspired board game with added superpowers, entirely in **Java**.

Research project (TIPE) — Fingerprint recognition — *Preparatory classes* 2025

Technical skills

Systems	Linux (Debian), Windows Server 2016, Active Directory, DNS, GPO, MariaDB
Virtualisation	Proxmox VE, VirtualBox
Networking	TCP/IP, addressing, routing (static, RIP), NAT, DNS, iptables, SNMP, Wireshark
Monitoring	Zabbix 7.0, Windows hardening, auditing and logging
Programming	Python, C, Java, OCaml, Ada, MATLAB

Languages and interests

Languages	Arabic (native), French (fluent), English (fluent, B2), Spanish (basic)
Volunteering	Blood donation (CTS Ibn Rochd, Casablanca), food aid during Ramadan
Sports	Football, handball, cycling