

Nassim EL HADDAD

elhaddad.nassimpro@gmail.com

Master's degree in Computer Science and Networks (AI specialization).

[LinkedIn](#)

2024 - 2027

[Portfolio](#)

Telecom SudParis, France

[GitHub](#)

EDUCATION

- **Polytechnic Institute of Paris - Télécom SudParis** September 2024 - August 2027
Master's degree Paris, France
 - Relevant coursework: Computer Science, Networking, Mathematics, Artificial Intelligence, Cybersecurity.
- **Yonsei University** June 2026 - September 2026
International Summer School Seoul, South Korea
 - Relevant coursework: Artificial Intelligence, Korean Culture.
- **Paris-Est Créteil University (Paris XII)** September 2022 - August 2024
Bachelor's Degree Paris, France
 - Relevant coursework: Computer Science, Networking, Economics.

EXPERIENCE

- **Siemens** September 2024 - August 2027
Apprentice - Cybersecurity Engineer Paris, France
 - Cut cybersecurity assessment time by ~30% via penetration testing, automated validation and audits on 10+ railway systems.
 - Migrated 2 legacy VMs (300+ GB) from VMware to Proxmox, deployed 10+ VLANs and 50+ ports, and refactored a 10,000+ line Perl system to Python, raising simulation capacity from 2 to 60 trains (+2,900%).
 - Delivered 10+ Power BI dashboards and contributed to an internal AI model used by cross-functional teams.
- **Chauff'Heure VIP** January 2025 - June 2026
Freelance - Full stack developer Paris, France
 - Built and launched a React Native & Expo ride-hailing app (15+ features: auth, booking, Google Maps) on iOS and Android, reaching 150+ users.
 - Rebuilt the web platform (V2) with React, Next.js, WordPress and MySQL (10+ pages), integrating it with the mobile app.
 - Improved UI/UX, SEO and conversion funnels: conversion rate +~25%, organic traffic +~30%.

PROJECTS

- **Building Insurance Claim Risk Prediction** 
April 2026 - June 2026 Télécom SudParis
 - Built an AI risk-ranking model for insured buildings, optimizing normalized Gini instead of binary accuracy.
 - Designed an ML pipeline on ~10k records: EDA, missing values, class imbalance (~23% claims), correlations and one-hot encoding.
 - Evaluated OLS/Ridge/polynomial regression, logistic regression (StandardScaler, SMOTE), Random Forest (RandomizedSearchCV), MLP and K-means (silhouette).
- **Intelligent Kubernetes Scheduler with AI for 5G Networks** 
October 2025 - December 2025 Télécom SudParis
 - Built an ML Kubernetes scheduler (Random Forest) for 5G slicing (eMBB, URLLC, mMTC), cutting CPU imbalance by ~53% and memory imbalance by ~37% vs kube-scheduler.
 - Reduced average network latency by ~26% (P95 ~28%) by scoring nodes on latency, CPU and memory.
 - Deployed and monitored with Python, Docker, Kubernetes, Prometheus and Grafana; overall scheduling score +~27%.
- **WebZTP – Web platform for DHCP Zero Touch Provisioning** 
December 2024 - July 2025 Télécom SudParis
 - Built a Django DHCP/ZTP platform to automate device bootstrap (IP, gateway, DHCP options), replacing manual per-device setup.
 - Implemented ZTP/DHCP backends with Python, Scapy and Docker to generate and serve provisioning configs for lab and campus gear.
 - Delivered a responsive HTML/CSS/Bootstrap UI and an operator knowledge base with ZTP/DHCP guides.

CERTIFICATIONS

- **Cybersecurity:** Fortinet NSE Cybersecurity, Cisco Introduction to Cybersecurity, Microsoft Cybersecurity.
- **AI:** OpenAI & Anthropic certifications, Google AI Essentials, Columbia+ (Learning AI Through Visualisation).
- **Languages:** French (Native), Arabic (Native), English (Professional / TOEIC B2+), Spanish (Basics).

HOBBIES

- **Music:** Music production (MAO on FL Studio, Ableton), piano composition, performance
- **Sports:** Gym and weight training, table tennis, badminton (weekly practice)
- **Culture:** Reading (literature and non-fiction), podcast listening (science, history, society)
- **Volunteering:** Street outreach, food and clothing distribution, tutoring