



# Alaâ Chakori Semmane

## AI & Optimization Engineering Student

🚗 Permis B •

📍 Paris, France  
📞 +33 6 25 79 48 48  
✉ alaa.chakori.semmane@gmail.com  
🌐 /alaa-chakori-semmane  
🌐 Portfolio

### Digital Transformation & AI Internship | 675h (20-24 weeks) | Available from September 2025

Passionate about **Applied Artificial Intelligence** and **project management**, I am seeking an internship to combine my AI technical skills with digital transformation project management. Proven experience in team coordination and technical project leadership, with strong adaptability and a pronounced taste for teamwork.

## EDUCATION

### Master's 2 Computer Science - Artificial Intelligence

University of Quebec at Chicoutimi (UQAC), Canada • Specialization in optimization and advanced AI

2024 - Ongoing

### School of Computer Engineering

Polytech Tours, France • International double degree, AI and optimization focus

2022 - Ongoing

## PROFESSIONAL EXPERIENCE

Jun-Aug 2024

### Research Internship - Urban Data Analysis

LIFAT Laboratory • Tours, France

Development of accessibility indicators for urban cycling networks. Adaptation of Kent & Karner (2018) methodology, creation of spatial analysis algorithms and processing of OpenStreetMap and INSEE data.

**Technologies:** 🗺️ Java, 🐍 Python

🔗 [LinkedIn Post](#)

Apr-Jun 2022

### Internship - Electronic Maintenance Technician

SNCF Voyageurs • Saint-Pierre-des-Corps

Maintenance of embedded systems for TER2N NG trains. Electronic diagnostics and application of industrial safety protocols.

🔗 [Recommendation Letter](#)

## ARTIFICIAL INTELLIGENCE & OPTIMIZATION PROJECTS

⚽ **Advanced Football xG Predictive System** – AI for real-time tactical analysis via Computer Vision

+15% accuracy

⚡ **RAG Energy Intelligence Solution** – 48h Hackathon - Multi-source optimization system with generative AI

2<sup>nd</sup>/29 teams 🔗

🔗 **Stochastic Supply Chain Optimization** – GPR meta-models and evolutionary algorithms for optimization under uncertainty

🖼️ **SnapSort - AI Image Classification** – Deep learning for image classification with real-time synchronization

🚲 **Optimized Urban Navigation** – Multi-criteria algorithms for cycling routes (Paris, SF, Berlin)

3-city validation 🔗

🗺️ **Tourist Route Optimization** – Heuristics and meta-heuristics for complex route design

Genetic algorithms 🔗

## TECHNICAL SKILLS

**Development:** C++/C, Java, Kotlin, React, Python, SQL

**Optimization:** Genetic algorithms, Meta-models, Heuristics

📄 Please visit my [portfolio](#) for more details about my skills and projects.

### 🗣️ Languages

Spanish: Native  
French: C2  
English: B2  
Arabic: A2

### 🏆 Achievements

2<sup>nd</sup> AI Hackathon  
Dual Degree  
6+ ML/CV projects

### 🤝 Involvement

Touraine Tech Volunteer  
Climate Fresco Facilitator

### ❤️ Interests

Football (UQAC)  
Sports Analytics  
Nutrition & Fitness