

Alaâ Chakori Semmane

Computer Engineering Student - AI & Optimization

🚗 Driving License •

📍 Paris, France

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🌐 /alaa-chakori-semmane

🌐 Portfolio

Artificial Intelligence Internship | 675h (20-24 weeks) | Available from September 2025

Passionate about **Artificial Intelligence** and **optimization**, I am seeking an internship to deepen my skills in **applied AI**: machine learning, computer vision, predictive analysis, and data-driven solution development. Proven experience on concrete projects with strong adaptability and teamwork skills.

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 implementation of industrial safety protocols. 🔗 Recommendation Letter

ARTIFICIAL INTELLIGENCE & OPTIMIZATION PROJECTS

⚽ Advanced xG Football Prediction 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 nd /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 cities validated 🔗
🗺 Tourist Route Optimization – Heuristics and meta-heuristics for complex itinerary design	Genetic algorithms 🔗

TECHNICAL SKILLS

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

Optimization: Genetic algorithms, Meta-models, Heuristics

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

🗣 Languages	🏆 Achievements	🤝 Involvement	❤ Interests
Spanish: Native	2 nd AI Hackathon	Touraine Tech Volunteer	Football (UQAC)
French: C2	Double degree	Climate Fresco Facilitator	Sports analytics
English: B2	6+ ML/CV projects		Nutrition & Fitness
Arabic: A2			