

Alaâ Chakori Semmane

Computer Engineering Student - AI & Optimization

🚗 Driving License •

📍 Tours, 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	2024 - 2025
University of Quebec at Chicoutimi (UQAC), Canada • Specialization in optimization and advanced AI	
Computer Engineering Degree	2022 - 2025
Polytech Tours, France • International double degree, AI and optimization focus	

PROFESSIONAL EXPERIENCE

Jun-Aug 2024	<b>Research Internship - Urban Data Analysis</b> 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. <b>Technologies:</b> 🗺 Java, 🐍 Python 🔗 LinkedIn Post
Apr-Aug 2022	<b>Electronic Maintenance Technician</b> 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

⚽ <b>Advanced xG Football Prediction System</b> – AI for real-time tactical analysis via Computer Vision	+15% accuracy
⚡ <b>RAG Energy Intelligence Solution</b> – 48h Hackathon - Multi-source optimization system with generative AI	2 <sup>nd</sup> /29 teams 🔗
🔗 <b>Stochastic Supply Chain Optimization</b> – GPR meta-models and evolutionary algorithms for optimization under uncertainty	
🖼 <b>SnapSort - AI Image Classification</b> – Deep learning for image classification with real-time synchronization	
🚲 <b>Optimized Urban Navigation</b> – Multi-criteria algorithms for cycling routes (Paris, SF, Berlin)	3 cities validated 🔗
🗺 <b>Tourist Route Optimization</b> – 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 <sup>nd</sup> 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			