

Selyan MOUHALI

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Engineering student at the University of Technology of Troyes (UTT). Passionate about software development, AI, and automation. With experience ranging from industrial operations to partnership management, I apply a rigorous and analytical approach to both my academic projects and technical side projects.

EDUCATION

University of Technology of Troyes (UTT) Troyes, France

Integrated Preparatory Cycle (Engineering Degree) 2024 - 2029

- 2nd year student. Focus on mathematics, physics, and computer science fundamentals.

Marie Pila Institution Carpentras, France

Baccalauréate with Honors 2024

- Majors: Mathematics, Physics & Chemistry, and Economy.

Reynolds Highschool Victoria BC, Canada

Student Exchange Program 2022

- Immersive academic month abroad.

WORK EXPERIENCE

Néréides Troyes, France

Partnership Manager 10/2025 - Present

- Managed and expanded the partner network.
- Set up monitoring tools and improved internal communication processes.

Freelance Developer Remote

Web & Shopify Developer 2024 - Present

- Designed and deployed a production website with online ordering for Rotisserie des Dentelles (live client)
- Built a custom Shopify theme (NextProtect) with modern tooling: TypeScript, Vite, TailwindCSS.
- Delivered end-to-end solutions from design to deployment for real clients.

Ici Store Monteux, France

Multi-skilled Workshop Operator 08/2025

- Strictly applied manufacturing protocols and safety standards.
- Contributed to production and workshop logistics operations.

EXTRACURRICULAR ACTIVITIES

Project LO02 UTT

Student Java Application Academic

- Developed a Java project demonstrating OOP logic and MVC pattern.
- Implemented unit testing with JUnit and software engineering principles.

Site Londres MM01 UTT

Web Design Project Academic

- London-themed website focused on content structure and visual presentation.
- Technologies: HTML, CSS, and Responsive Design principles.

XTrading Bot Python / ML

Personal Project — AI Forex Trading Bot Ongoing

- Built an AI-powered Forex trading bot from scratch. Scans global market signals in real time (economic indicators, news sentiment, technical indicators).
- Detects high-probability patterns using NLP and time-series analysis; executes trades autonomously.
- Features: multitimeframe analysis, dynamic risk management (stop-loss, position sizing), backtesting engine on historical data, and performance dashboarding.

LinkBoost

Python / Web

Co-Founded — LinkedIn Automation SaaS

Ongoing

- Co-founded a SaaS tool to streamline the job search process: automatically identifies and sends personalized connection requests to recruiters based on target criteria.
- Automates job application submissions at scale with customizable cover letter templates.
- Built with Python, browser automation, and a web dashboard for tracking outreach metrics.

Natran Hackathon (UTT)

UTT

2nd Place

2025

- Reached 2nd place at the Natran Hackathon. Designed and prototyped a solution to optimize CSR (Combustible Solide de Récupération) pyrogasification for industrial waste sorting.
- Addressed fuel quality classification, sorting efficiency, and environmental impact reduction through data-driven analysis and process modeling.

MegawattUTT Competition

UTT

Training Simulator for Nuclear Plant Operators

Ongoing

- Developing a simulator replicating the control interface for heavy-lift equipment used to manipulate reactor components (fuel assemblies, control rods).
- Built with real-time 3D visualization, physics-based constraints, and scenario-based training modules to improve operator safety and proficiency.

Sports & Discipline

Black Belt Holder | Competitive Level

Continuous

Karate: Multiple-time **Departmental and Regional Champion**; qualified for and participated in the **French National Championships**. Regular CrossFit practice for physical endurance and mental resilience. Football: Active club member for the past 2 years.

SKILLS AND INTERESTS

- **Languages:** French (Native), English (C1 – Linguaskill), Spanish (B1/B2)
- **Software Development:**
 - *Frontend:* React.js, Next.js, TypeScript, TailwindCSS, HTML/CSS
 - *Backend:* Node.js, FastAPI, Python (OOP), Java (Swing)
 - *Databases & Cloud:* MySQL, PostgreSQL, Supabase
- **Systems & Tools:** Linux, Windows Server, Docker, Git, Figma, UML
- **Soft Skills:** Communication, Curiosity, Adaptability, Organization, Analytical Problem Solving
- **Interests:** Artificial Intelligence, Cybersecurity, Motorsport, Finance, Technology Trends, Traveling