

# Abdessamad Ait Elmouden

Senior Computer Science Student  
Ifrane, Morocco

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## EXPERIENCE

- **Software Engineer & Product Manager** Feb 2025 – Present  
*UGF-UM6P (Fund Management Unit, Mohammed VI Polytechnic University) Rabat, Morocco*  
Leading the design and development of **Sustaineur**, an AI-powered educational platform enabling enterprises to explore sustainability trade-offs through interactive simulations and AI-assisted, gamified learning..  
Designed core system architecture covering experiment assignment logic, data modeling, and integration of AI services.  
**Skills:** Go, TypeScript, Python, Artificial Intelligence, OpenAI, Docker, PostgreSQL, React, TailwindCSS
- **Software Developer** Dec 2024 – Feb 2025  
*FACILACOM (Health Technology Company) Morocco*  
**Mobile Application:** Developed a React Native mobile application serving 1,000+ active users for pharmaceutical data access.  
**Medicament.ma:** Maintained and optimized a high-traffic WordPress medication search platform with 500K+ monthly users.  
**Pharmacie.ma:** Maintained a nationwide pharmacy directory platform using Zend Framework to improve public access to healthcare information.  
**Skills:** JavaScript, React Native, WordPress, Git
- **Student Software Developer** Jan 2024 – Dec 2024  
*neoCedrus (University Software Development Unit) Ifrane, Morocco*  
Collaborated within a university engineering unit to develop **xPress.aui.ma**, an anonymous course evaluation platform used for academic feedback and quality improvement.  
**Skills:** TypeScript, SQL, Git, Agile methodologies

## EDUCATION

- **Bachelor of Science in Computer Science (Senior Standing)** Sep 2021 – Dec 2026  
*Al Akhawayn University in Ifrane*  
**GPA: 3.85 / 4.00 | Full Merit-Based Scholarship**
- **Exchange Semester** Sep 2024 – Jan 2025  
*Roskilde University Denmark*  
Studied **Computer Science and Mathematics**, with research focused on applying differential equations, simulation, and data analysis to model epidemic dynamics and study parameter sensitivity in controlled scenarios.

## AWARDS

- **Moroccan Champion: VEX-U Robotics Competition** (2024, 2023) — Led end-to-end robot development including mechanical design, autonomous algorithms, sensor integration, and match strategy in international-level competition.
- **Africa's Best Project Award:** Huawei Tech4Good Competition (2023).
- **Full Merit Scholarship:** Awarded for academic excellence (2021).

## ORGANIZATIONS

- **Katuripu** Sep 2022 – Sep 2024  
*Educational YouTube Channel Morocco*  
Produced educational content in Moroccan Arabic explaining mathematics and computer science concepts using Manim (Python).

## LANGUAGES

- **Languages:** English, French, Arabic, Tamazight

## TECHNICAL SKILLS

- **Programming Languages:** Go, TypeScript, JavaScript, Python, SQL
- **Frameworks & Tools:** React, React Native, Node.js (Express), Docker, PostgreSQL, MySQL, Git