

## PROFILE

As a second-year student at École Centrale de Lyon specializing in Artificial Intelligence, I am passionate about leveraging my expertise to drive product innovation and strategic growth. I am seeking an internship for the second part of my gap year, starting in March 2025, where I can contribute as an AI Product Manager. My goal is to help companies enhance their products, expand their client base, and implement effective development strategies.

## PROFESSIONAL EXPERIENCE

**AI Researcher**, IRIS - Laboratoire d'Informatique en Image et Systèmes d'Information, Ecole Centrale de Lyon

05/2024 - 07/2024 | Lyon, France

- Designed an LSTM model to evaluate stock performance using high-frequency data.
- Published a scientific paper on the project's findings.

**AI Developer**, CFG Bank

06/2023 - 08/2023 | Casablanca, Morocco

- Designed and developed an API for generating qualified leads, integrated with Pipedrive, enhancing marketing efforts.
- Extracted and preprocessed website data to feed a chatbot, improving customer engagement and satisfaction.

**Consultant**, JECC Junior Enterprise

12/2022 - 06/2023 | Casablanca, Morocco

- Conducted and implemented 600 market surveys for the launch of the Tria product, analyzing data using Power BI and providing strategic recommendations.

## EDUCATION

**École Centrale de Lyon (CentraleSupélec)**

01/2024 - present | Lyon, France

Exchange Semester: Product Management, Machine Learning, C++, Marketing, Strategy, Entrepreneurship

**École Centrale Casablanca (CentraleSupélec)**

09/2022 - 12/2023 | Casablanca, Morocco

General Engineering Program: Project Management, ML, Agile Scrum, Sustainable Development, Coding

**CPGE Lycée Mohammed V**

09/2020 - 06/2022 | Casablanca, Morocco

Classes Préparatoires aux Grandes Écoles (MPSI/MP)

## PROJECTS

**AI Traffic Light Optimization**

Developed a Deep-Q reinforcement learning-based system to optimize traffic light timings, reducing wait times and improving traffic flow.

**PredictA Industry in Collaboration with Zen Networks**

Co-Founded a startup offering real-time predictive maintenance solutions with advanced dashboards and intelligent alerts.

**Microcalcification Detection in Mammography**

Implemented ML models (KNN, SVM, Random Forest) for detecting microcalcifications, managing imbalanced data using cost-sensitive methods.

# Badreddine SAADIOUI

AI Engineer



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## SKILLS

**Languages:**

English (TOEIC 930), French (C1), Arabic (Native), Spanish (Beginner)

**Tools:**

Power BI, Jira, Lucidchart, Pipedrive (CRM), Excel, Adobe Experience Cloud, MySQL

**Programming Languages:**

Python, C++, R, PHP, SQL, HTML/CSS

**Libraries:**

Pandas, Seaborn, Scikit-Learn, TensorFlow, PyTorch, Keras, OpenCV

**Design & CAD:**

Figma, Adobe XD, Photoshop, Procreate, Illustrator, Blender, PremierePro, Catia, Abaqus

## CERTIFICATES

- AI Engineering by IBM
- Google Project Management
- Scrum Master by LearnQuest
- Graphic Design by Calarts

## EXTRACURRICULAR

- Founder of GrowStudio (Social Media Marketing Agency) and Dripio (Online Clothing Business)
- Head of Design and IT at ECC Sports Office, Arts Office, JECC, and Centrale Tech
- 9 years of experience in art: drawing, painting, design, merchandising, editing
- Sporty : bodybuilding, basketball, rugby, and table tennis