

Yoan PONTIER

yoan.pontier@etu.ec-lyon.fr

+33 7 86 94 08 44

End of study Internship starting in April 2025

Lyon, France

LinkedIn

Dear Hiring Manager,

I am writing to apply for the Machine Learning Intern position at MadKudu. As a master's student at Centrale Lyon Engineering School, specializing in Data Science, I see this opportunity as a chance to contribute my skills effectively to your team and gain valuable experience in a fast-paced startup environment.

I am currently completing the final year of my engineering master's degree, with a focus on data science and statistics, which has provided me with a strong foundation in **Mathematics, Statistics, and Machine Learning/AI**. Throughout my academic journey, I have developed advanced proficiency in **Python**, statistics, and probability. My training at École Centrale de Lyon has equipped me with a solid foundation in technical disciplines, further reinforced by two six-month internships during my gap year:

1. **Smart Building Engineer Intern at Alter Watt:** During my internship, I developed an IoT-based platform to monitor energy consumption in commercial buildings. This allowed me to hone my skills in **data manipulation, visualization, and project management**.
2. **Data Engineer Intern at Finance Doc Multimanagement AG:** My second internship involved working with Python/SQL pipelines for an independent financial data provider. I was responsible for maintaining and optimizing the daily data collection process, gaining a solid understanding of **financial markets** and improving my efficiency with Python packages such as **pandas, polars, SQLAlchemy, and Flask**. Additionally, I gained experience working with **production and development environments** using **Git** for version control.

These experiences have significantly enhanced my **problem-solving skills** and ability to work on real-world projects. I am particularly excited about the opportunity at MadKudu because it aligns with my passion for applying machine learning to solve complex problems and drive business decisions. Your mission to translate buyer signals into automated actions to generate more pipeline resonates with my interests and skills.

I also participated in a challenge organized by **ADEME**, where I am developing an **LLM (Large Language Model)** to assist users in finding resources related to climate change. This initiative allows me to further advance my skills in **Machine Learning, LLM development**, and complex problem-solving. We finished ex-aequo with the first group.

Thank you in advance for considering my application. I look forward to discussing my candidacy in more detail.

Best regards, Yoan Pontier