

# OËLAN RAKOTONIRINA

*Data Science & AI Intern*

## CONTACT

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## EDUCATION

**Higher Polytechnic Institute of  
Madagascar (ISPM)**

2022- 2025

B.Sc. in Computer Science,  
Software Engineering & AI  
(IGGLIA)

## CERTIFICATIONS

- DALF C1
- Advanced 2 Certificate (English Teaching Program)
- Machine Learning Specialization (Stanford Online)

## SKILLS

- Generative AI
- Machine Learning
- Data Analysis
- Retrieval-Augmented Generation (RAG)
- Prompt Engineering
- MLOps (Fundamentals)
- Programming

## PROFILE

Junior Data Science enthusiast currently completing a Bachelor's degree in Computer Science, developing expertise in Machine Learning, data analytics, and AI-driven solutions. Experienced in applying data-centric methods to solve practical problems, with a disciplined and results-oriented mindset supported by hands-on projects and teamwork.

## PROFESSIONAL EXPERIENCE

DATA SCIENCE INTERN

**eTech Consulting**

*October 2024 – February 2025*

- Implemented Retrieval-Augmented Generation (RAG) techniques and explored their key variants.
- Integrated generative AI tools into real-world intelligent search use cases.
- Conducted research on vector databases (FAISS, Qdrant) and their practical applications.
- Performed comparative analysis of modern generative AI technologies.
- Trained and evaluated predictive models using standard ML workflows.
- Carried out exploratory data analysis (EDA) and data preprocessing.
- Monitored experiments and deployed lightweight machine learning models.