

# Vinicius PARAIZO

## Machine Learning Engineer

Computer Scientist experienced in Machine Learning, Object-Oriented Programming and Web Applications.



### INFORMATION

- paraizoviničius@gmail.com
- [Linkedin](#)
- [Github](#)
- [Website](#)

### EXPERIENCE FIELDS

#### Languages and Frameworks

Python, TypesCRIPT, Java, C#, Pytorch, LangChain, FastAPI, Spring, .NET, SQLAlchemy, React Vite, AWS Bedrock

#### Operating Systems

Windows, Linux

#### Software design

SOLID, design patterns, UML, ORM, ACID

#### Known Sectors

AI & Data Science, Natural Language Processing (NLP), Large Language Models (LLMs), Web development, PostgreSQL, Distributed Systems, Cloud

#### Management and DevOps

GitHub, GitLab, Docker

### ABILITIES

- Strong teaching skills in mastered technologies
- Humble, committed, and trustworthy
- Good self-management skills
- Problem-solving mindset
- Proactive and analytical approach

### LANGUAGES

English : Fluent  
French : Fluent  
Portuguese : Native  
Italian: B1 level

### ACADEMIC BACKGROUND

#### Aix-Marseille University - Master (2023 - 2024)

Data Science, AI;

#### CEFET – Bsc in Computer Sciences (2019 - 2025)

- [Final Project](#): Applied Deep Embedded Clustering (DEC) to identify patterns in Brazilian government expenditure data for auditing.

- Achievements: **1st place winner** at [INOVA national contest \(Telebrasil\)](#) in competitive programming

- Manuscript in redaction: [SCRNA-Seq Analysis](#)

### PROFESSIONAL EXPERIENCE

#### AI Developer - Full-time

##### Prime Up | 10/2025 – present

- Developed a multi-agent RAG project using Eliza framework for the Bank of New York (BNY), enabling efficient retrieval of legislation-related information.

#### Web Developer - Contract

##### Anouk Partners | 07/2025 – 10/2025

- Contributed to an integrated project with a Next.js frontend, Java Spring backend, external APIs, and relational database integration.

- Developed frontend components in collaboration with a senior engineering team, following agile practices and version control with Git.

#### AI Sustainable Computing - Internship (France)

##### Euranova | 08/2024 – 02/2025

- Developed a structured methodology to enhance efficiency across all stages of the AI lifecycle.

- Applied this framework to a LangChain RAG project built on large language models (LLMs), focusing on reducing computational resource usage.

#### Machine Learning - Internship (France)

##### TALEP | 02/2024 – 05/2024

- Leveraged a pre-trained HuBERT model to process MP3 audio datasets, performing Speech Recognition tasks and extracting MFCC features for further analysis.

- Engaged in extensive research on LLMs and transformers, analyzing cutting-edge methodologies and their applicability to audio processing.

#### Procurement Systems - Internship

##### VTEX | 08/2022 – 08/2023

- Responsible for systems including routines, helpdesk, tests and improvements.

- Create a Python project to automatically update the company purchases database using Selenium and Openpyxl libraries.