

# Rafael Torres Nóbrega Gomes

**Email:** rafaeltorresng@gmail.com | **Github:** rafaeltorresng | **Linkedin:** in/rafaeltng  
**Phone:** +55 81 98251-2792

## EXPERIENCE

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**AI Engineering Intern @ MGI Tech (in partnership with the labs LASER and LAGID/UFPB)** 04/2025 - present  
Deploying AI models into production. Contributions to system architecture, data engineering, and ML deployment.

**Trainee and Member @ TAIL** 06/2025 - present  
TAIL (Technology and Artificial Intelligence League) is the first AI student league in the northeast region of Brazil. As a Trainee, I am advancing my skills in Machine Learning, Data Science, and Deep Learning by developing diverse AI and technology projects.

**Volunteer Researcher @ TRIL Lab** 12/2024 - 04/2025  
AI research support: data preparation, exploratory analysis, and development of multi-agent systems for sales automation (CrewAI).

**Treinee @ Trilha** 08/2024 - 12/2024  
Developed skills in AI and programming logic. Gained experience with software development tools, best practices, and ML pipelines.

## EXTRACURRICULAR ACTIVITIES

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**Blonded AI (Personal Project)**  
Music recommendation system using Spotify audio embeddings and PCA. Built feature extraction and similarity pipeline.

**TARG: Time-series Analysis & Report Generator (Hackathon project during the TRILHA Program)**  
Website predicting BBAS3 stock prices (5 days ahead) using LSTM, web scraping, and news sentiment analysis.

**LAGID/UFPB GPT API Workshop**  
Conducted a Workshop on GPT API usage: authentication, endpoints, prompting, and chatbot deployment for data insights.

**Brazilian Championship Simulator (OOP Project)**  
Java + Spring Boot web app simulating a football championship with a realistic match engine, live stats, and an interactive UI, built using MVC architecture and design patterns.

## EDUCATION

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**Computer Science @ UFPB (Federal University of Paraíba)** 06/2024 - 12/2028 (expected)

## CERTIFICATE

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**Cambridge Certificate in Advanced English** 12/2022  
(CAE), CEFR B2 level, Grade B Student at the Level B2 (Upper-intermediate proficiency in English) Overall Cambridge English Scale score: 175 (198 for speaking)

## SKILLS

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**Languages:** Portuguese, English, Spanish.

**Tools:** Python, C, Java, R, JavaScript, PyTorch, TensorFlow, Git.

**Interests:** Machine Learning, Data Science, LLMs, Software Engineering, Mobile Development.

**ML Techniques:** Neural Networks, NLP, Embeddings, Time Series Forecasting, Model Deployment.