

# Vitória Pistori Guimarães

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## Objective

Data Science Professional with experience in Machine Learning and Computer Vision. With a background in Environmental Engineering and a focus on academic research, I possess a strong analytical mindset and a passion for transforming complex data into actionable insights. I am eager to contribute to innovative projects in an environment that fosters continuous learning and professional growth.

## Professional Summary

A versatile professional with solid experience in Data Analysis, Data Visualization, and Front-End Development. During my Master's studies, I successfully worked with complex data extraction, modeling, and interpretation. I currently develop projects using Python, React, JavaScript, and Power BI, including a volunteer application for a local NGO. I am actively transitioning from Environmental Engineering to a full-stack development and data science career.

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## Projects

### Grupo SOS Câncer de Pongaí Application

*February/2025 – In Development*

Developing a volunteer application aimed at presenting the NGO's history, encouraging donations, and facilitating volunteer participation. Technologies: React / React Native

### Personal Portfolio

*In Development*

Developing various projects utilizing HTML, CSS, JavaScript, React, and Python, showcasing technical skills and problem-solving abilities.

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## Professional Experience

### Data Science Intern | Eldorado Research Institute

*May/2025 – Present*

Applied Machine Learning and Computer Vision techniques to solve real-world problems.

### Academic Researcher – FAPESP Scholar | University of São Paulo (USP)

*May/2019 – December/2021*

Master's Degree in Science. Conducted advanced analysis of experimental data, utilizing Python and statistical tools for data modeling and interpretation.

### Trainee Engineer | Municipal Secretariat of Environment of Araçatuba

*October/2018 – December/2018*

Applied Python and statistical tools to interpret large volumes of experimental data in sustainable energy research.

## **Scientific Initiation Researcher | UFSCar and CNPq**

*December/2017 – November/2018*

Utilized Python and statistical tools for interpreting large volumes of experimental data in sustainable energy research.

## **Founder and Environmental Project Manager | LS Consultoria Júnior**

*August/2016 – December/2017*

Founded and managed a junior environmental consulting firm, overseeing project execution and business development.

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## **Academic Background**

### **Technologist in Systems Analysis and Development**

Descomplica Faculdade Digital | December/2024 – July/2027 (Expected)

### **Data Journey (Specialization Program)**

Laboratoria | June/2025 – October/2025

### **Master of Science (M.Sc.)**

University of São Paulo (USP) | March/2019 – November/2021

### **Bachelor of Environmental Engineering (B.E.)**

Federal University of São Carlos (UFSCar) | March/2014 – December/2018

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## **Hard Skills / Technical Skills**

- Languages: Python, JavaScript, SQL, R, HTML, CSS
- Frameworks: React, React Native, Node.js
- Tools: Power BI, Git, VS Code
- Data Analysis: Pandas, Matplotlib, NumPy, Scikit-learn
- Other: Inglês C2, Docker, Excel, Photoshop

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## **Soft Skills / Behavioral Competencies**

- Clear Communication
- Documentation
- Problem-Solving
- Teamwork
- Organization
- Adaptability

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## **Languages**

- English: C2 (Proficiency)