

MATHEUS SILVANO PEREIRA

AI Developer

Contact:

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Phone: +55 (48) 99858-4035

Location: Florianópolis, Santa Catarina, Brazil.

Summary of Qualifications:

Artificial Intelligence Developer with a focus on data science and automation. Practical experience with REST APIs using **Python**, **FastAPI**, and **Django**. Proficient in version control with **Git**, database integration (**PostgreSQL** and **Oracle**), and knowledgeable in containers with **Docker**. Familiar with DevOps practices, experienced with AI stacks including **Scikit-learn**, **TensorFlow**, **PyTorch**, **OpenCV**, **pandas**, **NumPy**, **LangChain**, and **spaCy**, applying machine learning, deep learning, natural language processing, and computer vision techniques in practical projects.

Professional Experience:

AI Development Intern

April 2025 - Present | Dígitro Tecnologia

Responsibilities:

Researching new artificial intelligence applications and models to be applied to company solutions, Processing data and creating datasets, Developing programs that implement AI algorithms. Making improvements and corrections to existing research programs. Documenting the development process. Managing source code versions.

Implementation Operator

December 2023 - April 2025 | Nexxera

Responsibilities:

Onboarded clients into the company's database. Held meetings with clients. Automated processes using Python and Shell Script. Analyzed file layouts. Opened and managed tickets/tasks using Jira.

Young Apprentice – Implementation

January 2022 - December 2023 | Nexxera

Responsibilities:

Onboarded clients into the company's database and provided customer support.

Education:

Bachelor of Science | Information Systems (In Progress)

2024 - 2028 | Federal University of Santa Catarina (UFSC)

High School Diploma (Completed)

2021 – 2023 | Colégio Policial Militar Feliciano Nunes Pires

Technologies & Tools:

- **Languages:** Python, Shell Script, SQL, JavaScript
- **Frameworks:** FastAPI, Django, Pandas, Numpy, Scikit-learn, TensorFlow, LangChain
- **Databases:** PostgreSQL, Oracle SQL
- **Version Control:** Git, GitHub, GitLab
- **Containerization:** Docker, Docker Compose
- **Other:** Jira, Linux, REST APIs

Languages:

- **Portuguese:** Native/Fluent
- **English:** Intermediate
- **Spanish:** Advanced

Certifications:

- **Python & General Programming**
 - Python 3 - World 1 | Curso em Vídeo | 2022
 - Python 3 - World 2 | Curso em Vídeo | 2023
 - Python 3 - World 3 | Curso em Vídeo | 2024

- Basic Python | Federal Institute of Minas Gerais | 2024
- Python | Santander Open Academy | 2024
- Programming for Everybody (Getting Started with Python) | University of Michigan | 2024
- Crash Course on Python | Google | 2024
- Introduction to Computer Science with Python - Part 1 | USP | 2024
- Basic Java [40 hours] | Curso em Vídeo | 2025
- **Artificial Intelligence / Machine Learning**
 - Learn Machine Learning in Python with Scikit-learn | Udemy | 2025
 - LangChain: Develop AI Agents and Apps with LLMs | Udemy | 2025
 - AWS Foundations: Machine Learning Basics | AWS | 2025
 - Artificial Intelligence: Module 1 | Curso em Vídeo | 2025
 - MLOps: Deployment and Operation of Machine Learning Models | Udemy | 2025
- **Databases & SQL**
 - Complete Course on Oracle SQL and PL/SQL Databases | Udemy | 2024
 - Databases and SQL Language with PostgreSQL | Udemy | 2024
- **Web Development & JavaScript**
 - HTML5 and CSS3 - Module 1 | Curso em Vídeo | 2024
 - Introduction to the Node.js Platform | Ada Tech | 2024
 - Object-Oriented Programming with JavaScript (Node.js) | Ada Tech | 2024
 - Introduction to Node.js with Express | Ada Tech | 2024
- **Information Security**
 - Information Security Awareness | AuditSafe | 2024
 - Information Security - Modules 00, 01, 02 | Curso em Vídeo | 2024
- **Linux & Shell Script**
 - Linux | Curso em Vídeo | 2024
 - Shell Script Programming - Automating Routines in Linux | Udemy | 2024
- **Version Control (Git, GitHub, GitLab)**
 - Git and GitHub | Curso em Vídeo | 2024
 - Santander Tech+: Git and Versioning | Ada Tech | 2024
 - SCM and Effective Code Versioning: Git, GitLab, and GitFlow | Udemy | 2025
 - GitLab CI: Pipelines, Continuous Delivery and Deployment | Udemy | 2025

- **Containerization & DevOps**
 - Docker for Developers (with Docker Swarm and Kubernetes) | Udemy | 2025

Projects:

2025 | Real-Time Facial Recognizer A local facial recognition system using OpenCV and LBPH. Ideal for computer vision projects that identify faces in real-time.

- **Technologies Used:** Python, OpenCV, NumPy, Docker
- **Links:**
 - **GitLab:** <https://gitlab.com/projetos3193519/face-recognitor>

2025 | Toxic Content Detector A Machine Learning study project focused on Natural Language Processing (NLP) to identify toxic comments. The application was developed in Python with an interactive interface using Streamlit.

- **Technologies Used:** Python, Pandas, Scikit-learn, Streamlit, Docker
- **Links:**
 - **GitHub:** <https://github.com/matheussilvano/toxic-content-detector/blob/main>
 - **Live Demo:** <https://toxic-content-detector.streamlit.app>

2024 | CNPJ Cleaner A Google Chrome extension that makes life easier for those who work with CNPJs (Brazilian company tax IDs). It automatically removes dots, hyphens, and slashes from CNPJs and copies the cleaned number to the clipboard. It currently has over 170 users.

- **Technologies Used:** HTML, CSS, JavaScript
- **Links:**
 - **GitHub:** <https://github.com/matheussilvano/limpa-cnpj>
 - **Chrome Web Store:** <https://chromewebstore.google.com/detail/remover-pontos-do-cnpj/kfpolfmflhddjgkhcagdhcckmfhnhoah>
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2024 | Sales Management System (UFSC) An application developed in Python with the goal of reinforcing the concepts of inheritance, polymorphism, and composition, as a project for the "Introduction to Object-Oriented Programming" course.

- **Technologies Used:** Python, Tkinter
- **Links:**
 - **GitHub:** <https://github.com/matheussilvano/CadastroDeTaxisPOO>

2025 | Fake Data API An API developed in Python to practice creating REST endpoints for generating fictitious data for people and companies, focusing on testing, anonymization, and data simulation applications.

- **Technologies Used:** Python, FastAPI, Faker, Docker
- **Links:**
 - **GitLab:** <https://gitlab.com/projetos3193519/fake-data-api>

Awards & Honors:

OBMEP (Brazilian Mathematics Olympiad of Public and Private Schools)
Honorable Mention 2x (2019 and 2022)

ONC (National Science Olympiad)
Silver Medal (2022) (<https://certificados.onciencias.org/item/AD89PC1S>)