MATHEUS SILVANO PEREIRA

AI Developer

Contact:

E-mail: matheussilvano2005@gmail.com

LinkedIn: in/matheussilvano/

Github: matheussilvano

Portfolio: https://matheussilvano.github.io/matheus-silvano/

Phone: +55 (48) 99858-4035

Location: Florianópolis, Santa Catarina, Brazil.

Summary of Qualifications:

Artificial Intelligence Developer with a focus on Data Science and Automations. Practical experience with REST APIs using Python, FastAPI, and Django. Proficient in version control with Git, integration with databases (PostgreSQL and Oracle), and knowledge of containers with Docker. Familiarity with DevOps and MLOps practices with MLflow, data analysis, and process automation. Experience with AI stacks, including Scikit-learn, TensorFlow, PyTorch, OpenCV, pandas, NumPy, and LangChain, applying machine learning, deep learning, natural language processing (NLP), and computer vision techniques in practical projects.

Professional Experience:

AI Development Intern

04/2025 - Present | Dígitro Tecnologia

Responsibilities: Researching new artificial intelligence applications and models that can be applied to the company's solutions, data processing and dataset creation, developing programs to implement AI algorithms, making improvements or corrections to existing research programs, documenting development, and managing source code versions.

Implementation Operator

12/2023 - 04/2025 | Nexxera

Responsibilities: Onboarding clients into the company's database, conducting client meetings, automating processes with Python and Shell Script, analyzing file layouts, and opening and managing tickets (Jira).

Young Apprentice – Implementation

01/2022 - 12/2023 | Nexxera

Responsibilities: Onboarding clients into the company's database and providing customer support.

Education:

Bachelor of Science, Information Systems (in progress)

2024 - 2028 | Universidade Federal de 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

Version Control: Git, GitHub, GitLab

Containerization: Docker, Docker Compose

Other: Jira, Linux, REST APIs, MLFlow

Languages:

Portuguese: Native/Fluent

English: Advanced

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 | Instituto Federal de 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
- MLOps: Deployment and Operation of Machine Learning Models | Udemy | 2025
- ARTIFICIAL INTELLIGENCE COURSE: MODULE 01 | Curso em Vídeo | 2025
- AWS Foundations: Machine Learning Basics | AWS | 2025

Databases & SQL

- Complete Oracle SQL and PL/SQL Database Course | 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 Face Recognizer

A local face recognition system using OpenCV and the LBPH algorithm. Ideal for computer vision projects that need to 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 designed to simplify working with CNPJs (Brazilian company registration numbers). It allows users to automatically remove dots, dashes, and slashes from CNPJs and copy the clean number to the clipboard. It currently has over 170 users. **Technologies Used:**

- HTML
- CSS
- JavaScript

Links:

- **GitHub:** https://github.com/matheussilvano/limpa-cnpj

- **Extension:** https://chromewebstore.google.com/detail/remover-pontos-do-cnpj/kfpolfmflhddjgkhcagdhcckmfhnhoha

2024 | Sales Management System (UFSC)

An application developed in Python to reinforce the concepts of inheritance, polymorphism, and composition, as a project for the "Introduction to Object-Oriented Programming" course.
Technologies Used:

- Python and libraries:
    - Tkinter
- **Github:** https://github.com/matheussilvano/CadastroDeTaxasPOO

2025 | Fake Data API

An API developed in Python to practice creating REST endpoints. It generates fictitious data for individuals and companies, intended for use in testing, data anonymization, and simulations.
Technologies Used:

- Python and libraries:
    - FastAPI
    - Faker
- Docker
- **GitLab:** https://gitlab.com/projetos3193519/fake-data-api