Pedro Mendes

👤 *About Me*

I have four years' experience in the IT market and one year's experience as an economic analyst, also working with data science. I was also a research assistant in the scientific initiation program at UFABC, and I am currently enrolled in the 9th period of the Economics BA degree program. My interests are time series econometrics, machine learning, Linux systems, Python, Scala, and the Nix ecosystem.

🛠️ *Skills*

Skill	Level	Tools
Python	Advanced	pandas, scikit-learn, Django, FastAPI, Keras, TensorFlow, Streamlit, PySpark, dbt, Prefect
Ansible	Intermediate	–
Apache Spark	Intermediate	Databricks
Azure	Intermediate	CosmosDB, Azure DevOps, Azure Functions
Docker	Intermediate	–
GitHub	Intermediate	GitHub Actions
GitLab	Intermediate	GitLab CI
Kubernetes	Intermediate	Helm, Istio, OpenShift
Lua	Intermediate	–
Databases	Intermediate	PostgreSQL, MariaDB, MongoDB
Terraform	Intermediate	–
AWS	Beginner	Lambda, EC2, RDS
Apache Airflow	Beginner	–
Argo CD	Beginner	–
Elixir	Beginner	Phoenix
Google Cloud	Beginner	BigQuery, Compute Engine, GKE
Grafana	Beginner	–
Prometheus	Beginner	–

🎓 *Education*

Federal University of ABC

BA degree in Economics

- São Bernardo do Campo, SP
- 2018 – 2025

BA degree in Sciences and Humanities

- São Bernardo do Campo, SP
- 2018 – 2022

Fatec São Caetano do Sul

Information Security

- São Caetano do Sul, SP
- 2015 – 2017

💼 *Work Experience*

Data Engineer

- IplanRio
- Rio de Janeiro, RJ
- 2024 - Now

  I'm responsible for creating and maintaining ETL pipelines for the city's public data lake. I also developed a product that uses machine learning and LLMs to automate internal processes in the city's public administration, creating the microservice infrastructure using FastAPI and deploying it on Kubernetes.

DevOps / Site Reliability Engineer

- NTT Data
- São Paulo, SP
- 2022 – 2024

  I've managed CI/CD pipelines with Azure DevOps and Argo CD, and developed microservice performance monitoring solutions with New Relic. I was also responsible for creating automation tools using Infrastructure as Code (Terraform, Ansible, and Helm) and Python.

Data Analyst

- Abramge
- São Paulo, SP
- 2021 – 2022

  My main activity was related to extracting and processing data on the private health sector in Brazil. To do this, I created ETL pipelines using R and Python to process large amounts of data and used exploratory data analysis to produce reports and dashboards for public use. I also managed databases using PostgreSQL and serverless databases such as DuckDB and Apache Arrow. I was also responsible for forecasting relevant indicators using time series econometric tools (mainly VAR-related models).

🔎 *Research*

Scientific Initiation Program (PIC-UFABC)

- CECS – UFABC
- São Bernardo do Campo, SP
- 2020–2021

  I researched exports from the Midwest region of Brazil, as well as the commodity cycle of the 2000s and its relationship to the region's agro-industrial complex. I used data from Comex Stats and carried out analyzes using tools such as R and Google BigQuery. My research relied on exploratory data analysis and visualization to draw conclusions about the

period analyzed.

Language Proficiency

Language	Level
Portuguese	Native
English	Professional working proficiency
Spanish	Professional working proficiency