

Pedro Mendes



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- [Pedro Mendes](#)

👤 About Me

I have four years' experience in the IT market and one years' experience as an economic analyst, also working with data science. I was also a research assistant in the scientific initiation programme at UFABC, and I am currently enrolled in the 11th period of the Science and Humanities programme and the 8th period of the Economics BA degree's programme. Furthermore, I currently work as a DevOps Engineer at NTT DATA. My interests are time series econometrics, machine learning, Linux systems, automations with ansible and programming in R and Python.

🔧 Skills

- R - Advanced
 - Libraries: Tidyverse, Tidymodels, data.table, Shiny, SparkR
- Python - Intermediate
 - Libraries: NumPy, SciPy, pandas, scikit-learn, TensorFlow, PyTorch, statsmodels, Keras, SQLAlchemy
 - Frameworks: Flask, FastAPI
- Ansible - Intermediate
- Apache Spark - Intermediate
- Azure - Intermediate
- Shell Script - Intermediate
- Terraform - Intermediate
- Docker - Intermediate
- Git - Intermediate
- Linux - Intermediate
- SQL and databases (MariaDB, PosgreSQL) - Intermediate
- AWS - Beginner
- Apache Airflow - Beginner
- ArgoCD - Beginner
- Google Compute Engine - Beginner
- Kubernetes - Beginner
- MongoDB - Beginner
- Prometheus - Beginner

🎓 Education

Federal University of ABC

BA degree in Economics

- São Bernardo do Campo, SP
- 2018 - 2023

BA degree in Sciences and Humanities

- São Bernardo do Campo, SP
- 2018 - 2022

Fatec São Caetano do Sul

Information Security (Unfinished)

- São Caetano do Sul, SP
- 2015 - 2017

✉️ 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 analyses using tools such as R and Google BigQuery. My research relied on exploratory data analysis and visualisation to draw conclusions about the period analysed.

Work Experience

DevOps / Site Reliability Engineer

- NTT Data
- São Paulo, SP
- 2022 - Now

I manage CI/CD pipelines with Azure DevOps and monitor the performance of microservices with ArgoCD and New Relic. I am also responsible for building automation tools using Infrastructure as Code (Terraform, Terragrunt, Ansible and Helm) and Python.

Economic analyst

- Abramge
- São Paulo, SP
- 2022 - 2022

My main activity was related to data extraction about the private healthcare sector in Brazil. To do this, I created ETL pipelines using R to process a broad amount of data, used exploratory data analysis to produce reports and dashboards for public use. I also managed databases using PostgreSQL and serverless databases such as SQLite and Apache Arrow. I was also responsible for forecasting relevant variables using time series econometric tools (mainly VAR-related models).

Economics internship

- Abramge
- São Paulo, SP
- 2021 - 2022

My internship was related to data extraction about the private healthcare sector in Brazil. To do this, I created ETL pipelines using R to process a broad amount of data, used exploratory data analysis to produce reports and dashboards for public use. I also managed databases using PostgreSQL and serverless databases such as SQLite and Apache Arrow.

Language Proficiency

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