

ÁLVARO SOUZA

SKILLS

Python · Pandas · Scikit-learn ·
PyTorch · Machine Learning ·
Azure · Data Analysis ·
Data Visualization ·
Unstructured Data ·
Statistical Analysis · Tableau

CERTIFICATION




Data Scientist
Certification course by DataCamp

Python Data Associate
Certification course by DataCamp

GitHub Foundations
Certification course by DataCamp

AI Fundamentals
Certification course by DataCamp

STRENGTHS

-  **Analytical**
Successfully analyzed large datasets to uncover actionable insights and optimize decision-making processes.
-  **Problem-solver**
Addressed classifier performance issues in my thesis, enhancing model selection through effective error analysis
-  **Continuous Learner**
Proactively expands knowledge of emerging tools and techniques

Data Scientist | Machine Learning | Python Developer

+351919100343 @ alvaromotasouza@gmail.com
linkedin.com/in/álvarosouza

SUMMARY

Recent Computer Engineering graduate with hands-on experience in data science, machine learning, and data visualization. Completed a Data Science Professional Certification and developed real-world projects. Skilled in building machine learning models, creating interactive dashboards, and conducting in-depth data analysis with Python, Azure, and Tableau. Currently expanding expertise in NLP and PySpark, eager to apply my skills to solve real-world challenges in a data science role.

EXPERIENCE

Software Development Intern 2021
[Teksajo](#)
Developed a web application, focused on activities tracking, by designing and implementing both the front-end and back-end functionalities.

PROJECTS

Thesis: Comparison of Multi-Class Classifiers and Spatial Error Analysis 2023 - 2024
Developed an interactive visualization tool to assist users in evaluating and comparing machine learning classifiers on geospatial data.
Machine Learning, Python, Azure, Data Visualization, Tableau
[public.tableau.com/app/profile/lvaro.souza/vizzes](#)

Deep Learning for COVID-19 Diagnosis Present
Designed and compared a custom CNN and a pre-trained ResNet-50 model for diagnosing COVID-19 using chest X-rays and CT images, showcasing expertise in deep learning and handling unstructured data.
Python, PyTorch, Data Preprocessing, Model Architecture, Machine Learning
[https://github.com/AlvaroMSouza/Covid-19_Image_Classification](#)

Predicting House Prices in London Present
Built and compared regression models to predict London house prices. using Kaggle data, with in-depth EDA and performance evaluation of Linear Regression, Random Forest, and Neural Networks.
Python, pandas, seaborn, scikit-learn, PyTorch, EDA, Machine Learning
[https://github.com/AlvaroMSouza/Predict-Prices-for-Houses-in-London](#)

EDUCATION

MSc in Computer Engineering 2021 - 2024
[NOVA School of Science and Technology](#)

LANGUAGES

Portuguese Native ●●●●● English Proficient ●●●●●