IGOR CAETANO DINIZ

DATA SCIENTIST, MATHEMATICIAN & TEAM LEADER

MY SKILLS

- Machine Learning & AI
- Predictive Modeling
- Deep Learning
- Data Visualization
- Data Analysis
- Database Structures & Algorithms
- Programming (Python, SQL, DAX, M)
- Continuous Improvement
- Scrum & Agile, Lean 6 Sigma Kaizen

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PROFILE INFO

Hands-on Data Scientist with 5+ years of experience and a strong STEM background, who excels in building data-intensive applications for early-stage technology companies.
Proficient in predictive modeling, data processing, and data mining algorithms, as well as scripting languages. Capable of synthesizing quantitative information and interacting effectively, particularly in small teams and startup environments.

EDUCATION

2021 - 2023
MSc. Mathematical Modelling and Optimization
Pontífica Universidade Católica do Rio de Janeiro

2018 - 2020
BSc. Mathematics
Pontífica Universidade Católica do Rio de Janeiro

2015 - 2017
B.Sc. Telecommunications Engineering
Instituto Militar de Engenharia

SOFTWARE & TOOLS

Matplotlib, Seaborn
numpy, scipy, pandas
PySpark
Jupyter
Power BI
IBM Cloud , AWS

WORK EXPERIENCE & KEY RESULTS

Tech Lead and Data Analyst   **2022 - Current**
Smart House Construções

- Wearing multiple hats across teams to create a product that requires the exploratory analysis of a large dataset, creation of a data warehouse, a data pipeline, and a dashboard. Deploying ML models using regression algorithms to predict default risk and mitigate it, resulting so far in more than 50% reduction in debt and 1M recovery loss.

Data Analyst, Research   **2020 - Current**
Petrobras

- Selected for being 1st-in-class to conduct extensive scientific research to provide direction to the end-to-end planning, design and architecture of high-quality, complex software capable of reading data from viability tests to reliably pinpoint where, under rock formations, oil and gas is present.

Manager and Data Consultant   **2015 - 2019**
Hangar

- Trained 4 teams in C, C++, Python, Data Analysis, ML, and Robotics using Arduino and turned 3 ideas into 3 impactful startups in logistics, agro and tech, with profitable, scalable products.

Machine Learning Engineer   **2015 - 2017**
IME

- Created anti-cheat typing patterns recognizer using SQL to standardize, clean and manipulate data and Python for identity verification with machine learning methods. It resulted in the ability to detect and reduce cheating in online tests by 60%.