## Contact

saraiva.ufc@gmail.com

www.linkedin.com/in/saraivaufc
(LinkedIn)
www.saraiva.dev (Portfolio)

## Top Skills

Big Data

Python

Data Science

## Languages

Português (Native or Bilingual)

English (Professional Working)

## Certifications

Scrum Foundation Professional
Certificate (SFPC)

Verified International Academic
Qualifications

DevOps Essentials Professional
Certificate (DEPC)

## Publications

Automatic Mapping of Center Pivot
Irrigation Systems from Satellite
Images Using Deep Learning

Construção de Mosaicos Temporais
Normalizados de Imagens Planet

Reconstructing Three Decades of
Land Use and Land Cover Changes
in Brazilian Biomes with Landsat
Archive and Earth Engine

# Marciano Saraiva

Solutions Consultant | Data Science | Big Data | Machine Learning |
Python | Django | Geoprocessing | Remote Sensing
Florianópolis, Santa Catarina, Brazil

## Summary

As a Solutions Consultant at Brain Agriculture, my focus lies in
utilizing data analytics and artificial intelligence to innovate within the
agricultural sector. With over 7 years of experience, I am proficient in
Python, Django, Keras, TensorFlow, and Scikit-Learn. My expertise
extends to data analysis, including satellite image processing and
the application of AI for predictive modeling and optimization in land
use and crop health assessment. In addition to my analytics and AI
capabilities, I have a strong foundation in software development,
particularly with Python and the Django framework. This has enabled
me to build robust, scalable web applications that support complex
data processing and visualization needs.

- Languages: Python, Javascript, HTML, CSS
- Frameworks: Django, Flask, Bootstrap, jQuery, Angular
- Databases: Postgres (+Postgis), Mysql, Mongo
- Geoprocessing and Data Science: TensorFlow, Keras, Scikit-learn,
GDAL, Google Earth Engine;
- Build tools: Docker, Jenkins
- Others: git, Jira

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## Experience

**Brain Agriculture**
2 years 6 months

Solutions Consultant
July 2022 - Present (1 year 9 months)
Indaiatuba, São Paulo, Brazil

- Land use and land cover mapping using machine learning tools;

- Processing of satellite images;

- Development of geographic information systems;

- Leads the development of Remote sensing products.

Senior Software Development Analyst

October 2021 - June 2022 (9 months)
Indaiatuba, São Paulo, Brazil

- Land use and land cover mapping using machine learning tools;

- Processing of satellite images;

- Development of geographic information systems.


Agrosatellite Applied Geotechnology

4 years 2 months

Senior Software Development Analyst
October 2019 - September 2021 (2 years)
Florianópolis e Região, Brasil

- Development of geographic information systems

- Land Use and Land Cover Mapping using Machine Learning

- Satellite image processing

- Analysis and exploration of geospatial data

Mid-level Software Development Analyst
May 2018 - September 2019 (1 year 5 months)
Florianópolis, Santa Catarina, Brazil


Trainee Software Development Analyst
August 2017 - April 2018 (9 months)
Florianópolis, Santa Catarina, Brazil


Federal University of Ceará
Software Development Intern
January 2016 - December 2016 (1 year)
Quixadá e Região, Brasil

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# Education

Pontifical Catholic University of Minas Gerais
Postgraduate (Lato Sensu), Artificial Intelligence and Machine
Learning · (2020 - 2021)


Pontifical Catholic University of Minas Gerais
Postgraduate (Lato Sensu), Data Science and Big Data · (2019 - 2020)


Federal University of Ceará
Bachelor degree, Information Systems · (2013 - 2016)