

Lucas Fonseca

Software Engineer

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Website: Portfolio Web

Professional Objective

Junior Data Scientist with a solid grounding in data analysis, machine learning, deep learning and computer vision, seeking to contribute to strategic decision-making through data-based insights. Committed to continuous learning and the application of advanced data science techniques to solve complex problems and add value to the business.

Academic

Bachelor's Degree in Software Engineering
Universidade de Ensino Superior Dom Bosco (UNDB)
2021 – 2025

Additional Courses

What is Data Science? - IBM
Fundamentos de Banco de Dados - DIO
Excel Basics for Data Analysis – IBM
Santander 2024 – Fundamentos de IA para Devs - DIO

Hard Skills

- Programming Languages: Python (Numpy, Pandas, Matplotlib, Seaborn, Scipy, Streamlit).
 - Database: MySQL, PostgreSQL, MongoDB
 - Machine Learning: Scikit-Learn
 - Deep Learning: Tensorflow, Keras
 - Computer Vision: OpenCV, Scikit-Image, Pillow.
 - Big Data: Hadoop, Spark.
 - Development: Git, GitHub, Docker.
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Soft Skills

- Analytical Thinking: Ability to analyze complex data and extract relevant insights.
- Problem Solving: Ability to identify problems and propose solutions based on data.
- Effective Communication: Ability to translate technical results into understandable information for nontechnical stakeholders.
- Teamwork: Experience in collaborating with multidisciplinary teams to achieve common goals.
- Time Management: Ability to prioritize tasks and meet deadlines in dynamic environments.

Professional Experience

Infrastructure Trainee

ATI - Agência Estadual de Tecnologia da Informação do Maranhão – São Luís - MA

06/2024 – 12/2024

- Providing technical support to clients (various state bodies).
- Call screening and customer service and data classification.
- Level 1 (N1) support.
- Planning backup routines based on data analysis.
- Preparation of reports and indications for management.

Developer

Software House UNDB – São Luís - MA

03/2022 – 03/2024

- Programming languages: Python, JavaScript, SQL.
- Frameworks and Libraries: Django, React.js.
- Database: MySQL, PostgreSQL.
- Code versioning: Git, GitHub.
- Web development: HTML, CSS, API REST.
- Agile methodologies: Scrum, Kanban.
- Systems Integration: Consumption of APIs, Web Services.
- Deployment and Infrastructure: AWS basics, Docker.

Development Trainee

Dynamos Tecnologia e Automação – São Luís - MA

03/2023 – 09/2023

- Development and implementation of responsive websites, using technologies such as HTML5, CSS3, JavaScript and PHP with the aid of the Bootstrap framework.
- Creation of systems with features such as encrypted login and password, client and dependent registration, date and time scheduling, selection of registered items, item listing and database connection. Using technologies such as HTML5, CSS3, JavaScript, PHP, SQL, MySQL, jQuery and Ajax.

Personal Projects

Bean Classification with Machine Learning Description:

Class classification problem.

Results: The model is able to classify with 92% accuracy which class that bean belongs to.

Sentiment Analysis in Messages with NLP

Description: Problem of classifying offensive messages and sentiment.

Results: The model manages to classify sentences into two classes with 94% accuracy: offensive or nonoffensive.

Emotion Recognition with OpenCV

Description: Facial expression recognition problem.

Results: The model can recognize 7 emotions (anger, disgust, fear, happiness, surprise, neutral). It has difficulty with the emotions anger and sadness, confusing them, although it validates the predominant emotion as a percentage.

Languages

Portuguese: Native

English: Intermediate/Advanced (Reading, Writing, Conversation)