

Luan Santos da Silva

Data Scientist



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GitHub: <https://github.com/LuannSantoss?tab=repositories>

Digital CV: <https://luansantos-digital-cv.streamlit.app/>

GOAL

To work as a Data Scientist with the aim of developing advanced solutions that improve the efficiency and productivity of processes, in order to make life easier for users and save time and money.

QUALIFICATIONS AND APPLICATIONS

Data scientist with experience since 2020 in analysis, mining and predictive modeling. Experience in Robotic Process Automation with BotCity, pyAutogui, and Selenium. Always seeking new tools for intelligent solutions in business processes.

I have completed two relevant projects: automation of the process of transferring data from the company's stores from a Word format to Excel, saving weeks of manual work; and automatic analysis of gaps in Brazilian stock market stocks, resulting in an innovative and unique solution in the market.

Strong skills in statistical analysis, programming, machine learning, data modeling and visualization, with experience in various sectors and skills in leadership, teamwork and strategic decision-making.

I have skills in Python, R, and SQL, and I have experience with both relational and non-relational databases. In addition, I have experience with Big Data tools such as Apache Spark using pySpark.

Advanced knowledge in data analysis, modeling, artificial intelligence, and statistics, including regression analysis, forecasting models (LSTM, ARIMA, and Facebook Prophet), machine learning methods (Regression, Classification, Clustering, and Association Rules), and Natural Language Processing.

Experience in integrating Power BI and Python to create dashboards, integrating data from various sources and presenting results in a clear and intuitive way, using advanced features of these tools.

To improve code efficiency, I use artificial intelligence tools such as pycaret, OpenAI's GPT-3 and ChatGPT. I also apply image analysis algorithms, including the creation of an algorithm capable of evaluating features in photos, such as beauty, intelligence, and reliability, as well as analyzing whether a person looks "professional."

HARD SKILLS

Python | R | SQL | Power BI | Jupyter Notebook | Jupyter Lab | VS Code | Google Colab | Numpy | Pandas | Matplotlib | Seaborn | Pycaret | Streamlit | Machine Learning | Deep Learning | TensorFlow | Keras | PyTorch | Scikit-Learn | PySpark | Microsoft Office | Regression | Classification | Clustering | Reinforcement Learning | Artificial Neural Networks | Convolutional Neural Networks | Recurrent Neural Networks | Self Organizing Maps

PROFESSIONAL EXPERIENCE

Data Scientist, Construções Gabriel A.S. Couto, SA., September 2022 – March 2023

- Used statistical modeling techniques to extract insights from data.

- Developed machine learning models to predict outcomes.
 - Used data visualization techniques to explain and communicate results.
 - Created dashboards and reports in Power BI to track metrics.
 - Supported planning and equipment teams in decision-making.
 - Participated in an innovative project to create a dashboard for the company's equipment team. Extracted information from GPS devices of machinery with the help of Python to access the GPS API. Created an intuitive dashboard with real-time information such as location, productivity, and costs. The entire process was built with code that allows data to be visualized from the beginning of GPS use.
 - Furthermore, had the opportunity to support the planning teams by creating a dashboard that automated repetitive tasks, reducing work time on issues that previously took two days to complete to just a few minutes. This advancement allowed for optimization of efficiency and effectiveness in processes, increasing the productivity of the team.
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EDUCATION

- Post-Graduation in Data Science for Business, Universidade Europeia, 10/2022 – 06/2023
 - Master's degree in engineering, Universidade do Porto, 2020 - 2022
 - Bachelor's degree in engineering, Universidade do Porto, 2017 – 2020
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LANGUAGES

- Native Portuguese, Advanced English, Basic German, and Basic Spanish
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CERTIFICATIONS

- 2021 - Time Series in Manufacturing Industry, Power BI Week, Big Data Fundamentals 3.0, Blockchain Essentials, Spark Basics and Streaming, Artificial Intelligence Fundamentals 2.0, Introduction to Data Science 2.0, Learn SQL from Scratch - Beginner to Intermediate.
- 2022 - IBM Data Science, Introduction to Cybersecurity.

PROJECTS

Case of Study – Optimizing the Flows in an Ecommerce Warehouse | Finding Feature Importance | Schedule Generator | Personality Analysis | Sales Forecast | Churn Analysis | Churn Analysis with Deep Learning (ANN) | Photo Rater | Stocks Gap Analysis in Ibovespa | LSTM for Stocks | Web App – Contact Form | Web App– Sales Dashboard | Web App – Personal Expenses | Fraud Detection using Self Organizing Maps + ANN

For more information about projects, please, check my repositories on GitHub.