

ANTÔNIO RODRIGUES

avmoura.r@gmail.com | [+55 61 98186-0680](tel:+5561981860680) | github.com/antonio-vmoura | linkedin.com/in/antonio-vmoura/

SUMMARY

Data Scientist with over 4 years of experience, specializing in machine learning. Graduated in Computer Science from the University of Brasília (UnB) and currently pursuing a master's degree at the same institution. I have a solid background in consulting and back-end development, applying innovative solutions to complex problems. My experience includes implementing robust Data Science solutions, encompassing analysis, visualization, predictive modeling, and decision automation. Passionate about artificial intelligence, I have published articles in the field, focusing on the use of deep learning applied to healthcare. Always seeking new challenges and ready to collaborate on creative and critical projects.

| HARD SKILLS | | SOFT SKILLS | |
|----------------------|------------------------------|---------------------|-------------------------|
| • Python | • REST APIs | • Communication | • Leadership |
| • R; C++; Ruby; Node | • MySQL; Mongodb; Postgresql | • Problem Solving | • Teamwork |
| • AWS; Azure | • Spark; Hadoop | • Critical Thinking | • Time Management |
| • SAS Applications | • Docker; Docker compose | • Creativity | • Organizational Skills |

PROFESSIONAL EXPERIENCE

Data Scientist and IT Consultant (GMW Consultoria)

July 2022 – Present

- Implemented SAS solutions for data analysis, predictive modeling, decision automation, and data visualization using tools like SAS Studio, Decision Manager, and Visual Analytics.
- Developed solutions in Python, Java, Ruby, and SQL for task automation and system integration.
- Implemented and managed cloud solutions on Azure, ensuring scalability and availability.
- Administered PostgreSQL databases, modeling data, optimizing queries, and ensuring data integrity and security.
- Developed REST APIs in Python with Flask for system integration, efficiently exposing data and functionalities.
- Utilized Big Data tools like Hadoop and Spark for processing and analyzing large data volumes.
- Implemented and trained a LLM using Python to analyze documents and automate rule generation.
- Participated in key projects with companies such as Bradesco, Santander, Oi, and Vivo.
- Delivered training sessions on the analytical data lifecycle, covering collection, exploration, deployment, and orchestration.

Back-end Developer Intern (4 Hábitos)

May 2021 - Jul 2022

- Implemented cloud solutions using Azure and AWS, provisioning resources, configuring services, and ensuring application scalability and availability.
- Developed interactive dashboards in Power BI, integrating data from multiple sources to create clear and intuitive visualizations, facilitating strategic decision-making.
- Developed AI models in Python and Azure, applying deep learning techniques for object classification in images.
- Administered NoSQL databases like MongoDB and CosmosDB, ensuring high availability, scalability, and performance, along with data modeling and query optimization.

- Utilized Python for Web Scraping to automate data collection and extraction of relevant information for analysis.
- Developed GraphQL APIs in Ruby and Node.js, providing a flexible and efficient interface for client-server communication.

Back-end Developer Intern (Filterfeed)

Mar 2020 - May 2021

- Applied NLP techniques in Python for sentiment analysis, information extraction, and text classification using libraries like NLTK and spaCy.
- Manipulated and analyzed data using Python, performing data cleaning, transformation, and visualization to generate insights and support decision-making.
- Administered MySQL databases, modeling data, optimizing queries, and ensuring data integrity and security.
- Developed REST APIs in Python with Django for system integration, exposing data and functionalities following best development and security practices.
- Developed chatbots in Python and MySQL, using NLP techniques to filter important information, enhancing user experience with the data.
- Implemented Docker/Docker Compose environments to facilitate application distribution and execution, ensuring portability and consistency across different environments.

EDUCATIONAL QUALIFICATIONS

Master's degree in Computer Systems

Mar 2025 - Dec 2026

University of Brasília (UnB), DF, Brazil

Bachelor Degree in Computer Science

Jul 2019 - Dec 2024

University of Brasília (UnB), DF, Brazil

Technical Degree in Informatics

Jan 2017 – Dec 2018

Technical School of Ceilândia (ETC), DF, Brazil

PUBLICATIONS

- Rodrigues, A. V. M., & Oliveira, R. B. (2024). "Segmentation of skin lesions and their attributes in dermoscopic images based on convolutional neural networks". Published in the *Revista de Informática Teórica e Aplicada (RITA)* and presented at the *XIX Workshop on Computer Vision (WVC)*.
- Rodrigues, A. V. M., & Oliveira, R. B. (2023). "A Comparison of Mask R-CNN and U-Net for Melanoma Attribute Segmentation". Presented at the 29th Scientific Initiation Congress of UnB and the 20th Scientific Initiation Congress of DF. Awarded Honorable Mention.
- Rodrigues, A. V. M., & Oliveira, R. B. (2022). "Uma U-net Melhorada para Segmentação de Câncer de Pele em Imagens Dermoscópicas". Presented at the 28th Scientific Initiation Congress of UnB and the 19th Scientific Initiation Congress of DF.

LANGUAGE PROFICIENCY

- Brazilian Portuguese - Native | American English - Advanced | Spanish - Intermediate