ADINAN ALVES DE BRITO FILHO

Information Engineering Student & Computer Technician

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ABOUT ME

I was born in 1999 in São Paulo city, Brazil. I have been passionate about technology since childhood. I learned to use, format, and repair computers by myself when I got my first computer in 2007. Technology, music, and visual arts are my passion.

EXPERIENCE

Software Engineer Intern
IBM Research

📅 September 2021 – Present   ⚲ Sao Paulo/SP, Brazil

I am responsible for the development and maintainability of a deployed audio & text conversational system prototype for WhatsApp and Telegram. The project is available at: **ibm.biz/BdPawZ**. The tasks include:

- Microservices integration with Python Flask applications
- Application containerization and management
- Application deployment to IBM Cloud
- NoSQL database design and implementation
- Building Chatbots with IBM Watson Assistant
- Machine Learning model deployment as a microservice

PROJECTS

Study and Comparison of Image Compression Techniques based on Discrete Transforms
Federal University of ABC

📅 September 2020 – August 2021   ⚲ Santo Andre, Brazil

Proposal of a new methodology for image compression. Development of an image compression interactive interface on Python for educational purposes. Advisor: Kenji Nose-Filho, Ph.D.

Construction of an Interactive Interface for Requantization and Resampling of Audio Signals
Federal University of ABC

📅 October 2019 – August 2020   ⚲ Santo Andre, Brazil

Development of an interactive application on Python to study the processing of digital audio signals, for didactic purposes. Advisor: Kenji Nose-Filho, Ph.D.

HARD SKILLS

Python · Machine Learning · Data Science · Java · C · C++ · NoSQL · SQL · VB .NET · HTML · CSS · Docker · Flask · Rest APIs · Linux · Cloudant (MongoDB) · IBM Cloud · Office · Watson Assistant · Speech to Text · Text to Speech · Code Engine · Cloud Foundry · GitHub · Postman · VS Code · MATLAB · LaTeX

EDUCATION

B.S. in Information Engineering
Federal University of ABC

📅 2019 – Present   ⚲ Santo Andre, Brazil

B.S. in Science and Technology
Federal University of ABC

📅 2019 – 2023   ⚲ Santo Andre, Brazil

Computer Technician
ETEC de Sapopemba

📅 2015 – 2017   ⚲ Sao Paulo, Brazil

MOST PROUD OF

🏆 **Participation in international scientific conferences**

📈 **New communication strategy for the IBM Research Brazil development community**

♿ **Volunteering at BRG PcD Brazil, an IBM initiative to support the internal PwD community**

SOFT SKILLS

Easy learning · Engagement · Group work · Leadership · Proactivity · Empathy

LANGUAGES

Fluent Portuguese
Advanced English
Basic Spanish

REFERENCES

Kenji Nose-Filho, Ph.D.
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Marcelo Grave, Eng.
💼 IBM Research
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