

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.

IBM Federal University of ABC

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Marcelo Grave, Eng.

IBM Research

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Heloísa Candello, Ph.D.

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