

Denys Menfredy

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Languages: Python, Javascript, SQL

SUMMARY

Full-stack engineer with solid knowledge and experience building **data applications**, from training to deploying machine learning models.

EXPERIENCE

Globo Comunicação S/A – Brazil | Full-Stack Engineer • 03/2023 – Now

- Responsible for building **APIs** to interact with graphical applications;
- Building internal applications that replace market solutions, **reducing costs of contracts on a scale of 10x**;
- Implementing scalable and high-available **microservices** on the cloud using **docker** and **Kubernetes**;

Meta Informatica – Brazil | Python Developer • 09/2022 – 03/2023

- Developed and implemented improvements in scalable APIs using **Python** and JavaScript;
- Deployed solutions on the **GCP** cloud using **docker** and **Kubernetes**;

Escritorio Contabil Mezzomo - Tucuruí PA, Brazil • Data Scientist Intern • 06/2021 – 01/2022

- Build a **Transformer** ML model to classify financial documents with an accuracy of **89%**
- Create ML **data pipelines** to collect, clean, and transform that ready to use for ML
- **Reduced** the costs of hiring people with financial expertise to classify the documents manually

Universidade Federal do Para - Tucuruí PA, Brazil • Fellowship Student • 09/2019 – 07/2021

- Used evolutionary algorithms to optimize mathematical problems
- Published research articles at major world conferences in the AI field

PROJECTS

- Context-based Question Answering: A web application using a pre-trained model to answer questions about a given context. The model was gathered from the **Hugging Face** model hub, and the web application was built using **Streamlit**.
- Skin Cancer Classification: **Deep Learning** model that uses a **Convolutional Neural Network** to classify images of skin lesions in malign or benign melanoma cancer.

EDUCATION

MSc of Science in Applied Computing, 01/2023 - 06/2025

Universidade Federal do Para, Brazil

- Thesis with an emphasis in **Large Language Models** and **Evolutionary Computation**

B.Sc. in Engineering, Computer Engineering, Graduation Date: 12/2022

Universidade Federal do Para, Brazil

- **GPA: 3.2 / 4.00**
- Bachelor thesis with an emphasis in **Neural Architecture Search**

AWARDS & CERTIFICATIONS

2021 | Poster published at a major conference in the Evolutionary Algorithms field | **GECCO 2021**

2021 | Best Scientific Initiation Paper in the 1st ERAMIA NORTE 2