



Daniel Rezende

 danielrezende3

 danielrezende2@academico.ufs.br

 daniel-rezende

Summary

Undergraduate in Computer Engineering at UFS and worked as a PIBIC scientific initiation student. I critically analyze requirements to ensure real value for projects, prioritize solid deliverables, and take care of continuous delivery. I base my technical decisions on data analysis and apply software engineering methods to increase productivity and generate lasting contributions.

Education

Federal University of Sergipe, UFS
Bachelor's in Computer Engineering

2020 - 2026

Experience

PIBIC Scientific Initiation Student, UFS

July 2023 - July 2025

- Created a dataset of 500 obfuscated and original codes through modeling and implementation, achieving recall and precision metrics to evaluate plagiarism detection tools.
- Built a SvelteKit interface for manual comparison of Mermaid diagrams, developing custom components and making source code comparison faster and more intuitive.
- Developed a Python converter using Tree-sitter, generating reversible JSON with the logical tree that isolates essential information and allows comparison of implementations in C and Python.

Projects

LLM Router Module

February - March 2025

- With the goal of orchestrating multiple AI APIs and optimizing call costs, I implemented routing logic with Langchain and conversation memory in PostgreSQL, optimizing API call costs by up to 25%. Achieved 2nd place at the ChipLabs Hackathon.

SIEHP System

March 2025 - present

- Participate as a fullstack developer in the Integrated System for Teaching Histology and Pathology (SIEHP) in NextJS and NestJS, using unit testing techniques to ensure compliance with business rules.

SBC Programming Marathon Training

July 2025 - present

- Lead and participate in weekly training sessions with support from university professors, aiming for qualification in the first phase of the SBC Programming Marathon.
- Successfully helped a team of 3 people qualify for the final phase in 2025.

Technologies

- **Programming languages:** Python, JavaScript, TypeScript, HTML/CSS, C, C++, SQL.
- **Frameworks:** FastAPI, React, NextJS, NestJS, Tailwind, LangChain.
- **Tools:** Git, GitHub, Docker, VS Code, Figma, PostgreSQL.
- **Languages:** Portuguese (native), English (fluent).