Daniel Rezende

danielrezende3   ✉ danielrezende2@academico.ufs.br   **in** daniel-rezende

Summary

Undergraduate in Computer Engineering at UFS and working 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 *2020 - 2026*
Bachelor's in Computer Engineering

Experience

PIBIC Scientific Initiation Student, UFS *July 2023 - Present*

- 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.

AvisaMed! System *February - March 2025*

- Led the team, designed the application prototype in Figma, and implemented the front-end in SvelteKit 5, delivering a responsive and accessible interface for the University Hospital's incident management system.

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.

Technologies

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