Samuel Librelon Pinheiro Lopes

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Education

Federal Institute of Education, Science and Technology of Northern Minas Gerais (IFNMG), BS in Computer Science
Mar 2023 – Dec 2027

- **Coursework:** Algorithm and Data Structure, Artificial Intelligence, Software Engineering, Database, Web Development

Experience

I.T - Intern, Plano de Saúde São Lucas – Montes Claros, MG
August 2024 – Present

- Query and optimize Oracle databases.
- Extract data for customized reports.
- Create interactive dashboards in Power BI to enhance decision-making.
- Automate workflows and streamline reporting systems for operational efficiency.
- Use machine learning algorithms in Python to provide business insights.
- Develop web applications in PHP to improve internal processes
- Work in an Agile environment following the SCRUM framework.
- Adhere to IT governance principles, including IELTS standards.

Projects

BioSeqResearchTool
Link: BioSeqResearchTool

- A C program designed to analyze large viral nucleotide sequences and identify patterns across different string sizes. It also includes a menu for registering researchers and their projects, making it useful for organizing biological data and research in virology.
- Language Used: C

Technologies

Programming Languages: C++, C, Python, SQL, JavaScript, PHP

Technologies: Laravel, Oracle SQL Developer, Git, Linux, React, Power BI, MS Excel, Power Automate, MongoDB, Jupyter

Languages

- **Portuguese:** Native
- **English:** Limited work proficiency
- **Spanish:** Limited work proficiency