

HENRIQUE LOPES

Computer Scientist

CV

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Viçosa - MG, Brazil

SUMMARY

Recently graduated in Computer Science from the Federal University of Viçosa (UFV), with a background in Machine Learning and Software development. I have experience with technologies such as PyTorch, Python, Android SDK, C++, SQL, among others. I am looking to apply and enhance my skills through practical challenges and innovative projects.

PROFESSIONAL EXPERIENCE

PERSONAL PROJECTS

2024 - *PRESENT*

- Developed mobile applications using Flutter/Dart and/or pure Java, including a virtual bookshelf and a CRM app.
- Created an AI using computer vision to translate letters and words from Brazilian Sign Language (LIBRAS) to Portuguese in real time.
- For my thesis, collaborated with DNIT and developed AI models to predict bridge degradation.

ABAP SAP DEVELOPER - SEIDOR

09/2025 - *PRESENT*

- Develop and maintain ABAP programs, reports, interfaces, and SAP customizations.

INTERNSHIP - Legislative Assembly of Minas Gerais (ALMG)

02/2025 - 07/2025

- Performed data analysis to support institutional reports
- Developed automation tools using Python scripting
- Extracted and processed data from web sources

SCIENTIFIC INITIATION (SI)

2023-2024

- Applied Machine Learning, Python, and C# with heuristic techniques to develop optimization solutions.

TECHNICAL SKILLS

Programming Languages:

- *Python, C/C++, C#, JavaScript, Java, Dart, ABAP*

Frameworks & Libraries

- *Flutter, SQL, SQLite, Pytorch, React, Sklearn, Pandas, Numpy*

Tools & Technologies:

- *Git, Docker, Visual Studio, Android Studio, Jupyter, SAP, Fiori*

LANGUAGES

- **Portuguese:** Native
- **English:** Advanced
- **Spanish:** Intermediate