BERNARDO SILVA

BSc in Computer and Telecommunications Engineering

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Education

BSc in Computer and Telecommunications Engineering

Instituto Politécnico de Viseu - ESTGL
October 2022 – July 2025

Secondary Education – Science and Technology Track

Escola Básica e Secundária da Sé - Lamego,
Colégio de Lamego
September 2010 – July 2022

Languages

Portuguese - Native

English - B1

Spanish - A2

👤 Profile

Computer and Telecommunications Engineering graduate with a strong interest in web development, artificial intelligence, and interactive applications. Analytical thinker, fast learner, and technology enthusiast. Motivated to contribute to innovative and scalable solutions.

📖 Technical Skills

- Programming Languages: C, C++, C#, Java, Python, JavaScript
- Web Technologies: HTML5, CSS3, APIs, backend integration
- Frameworks & Libraries: Bootstrap, React Native, Expo
- Tools: Git, AutoCAD, Figma, Adobe Photoshop & Premiere
- Other: ITED Telecommunications, Intelligent systems, digital logic, networks

🧑 Soft Skills

- Critical thinking and problem-solving
- Fast learner and autonomous
- Communication and teamwork
- Attention to detail
- Eager to learn and grow

💼 Academic Projects & Experience

2025

Final Degree Project

Development of a mobile application with integrated AI

- Technologies: React Native, Expo, TypeScript, Gemini API, Firebase
- Features: automatic item identification, statistics, login/register, stock notifications

2025

Digital Curriculum Website

Design and implementation of a responsive personal portfolio

- Technologies: HTML5, CSS3, JavaScript, Bootstrap
- Features: dynamic pages, image carousels, validated contact forms

2024

Telecommunications Systems Project

Development and assembly of the Otto Biped robot

- Components: servo motors for movement, ultrasonic sensor HC-SR04 for obstacle detection
- Implemented control code and Arduino libraries
- Full documentation and in-class project presentation