

## **Personal Profile – Nelson Basílio Fernando**

My name is **Nelson Basílio Fernando**, and I am currently a **Computer Engineering student at Universidade Zambeze** in Mozambique. I am passionate about technology, programming, and networking. I enjoy combining theoretical knowledge with practical applications, and I am particularly interested in **computer networks, software engineering, web development, and artificial intelligence**.

Throughout my academic journey, I have focused on understanding both the theoretical foundations and the practical tools needed to succeed in the field of computer engineering. I have gained experience in **network configuration, IP segmentation, VLANs, DHCP, NAT**, and using simulation software such as **Cisco Packet Tracer** and **VirtualBox** for creating virtual networks. These skills allow me to simulate real-world enterprise environments and understand the behavior of complex systems.

In addition to networking, I have explored **software development and web technologies**. I have developed projects using **Node.js, Express, React, and MySQL**, implementing features such as dynamic dashboards, data visualization with Chart.js, and integration with external APIs. One of my significant projects is a **weather web application** called GoatelaWeatherHub, which includes an administrative dashboard for managing users, weather icons, interface settings, and search statistics. This project helped me strengthen my **backend and frontend development skills** while applying good practices in software architecture and user experience.