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Professional Summary

Final-year Computer Science student with a passion for building real-world web applications. Proficient in full-stack development using PHP, JavaScript, and the MERN stack. Demonstrated ability to lead projects, design databases, and deliver scalable solutions. Eager to contribute to a dynamic development team while expanding expertise in cybersecurity and data science.

Education

Bachelor of Science (BSc) in Computer Science | Eduvos, South Africa 2023

– *Expected 2026*

- **Final Year (2025) – Current Average: 85.4% (Distinction)**
- Relevant Coursework: Web Development & e-Commerce, Object-Oriented Programming (C++, C#, Java), Database Systems, Data Structures & Algorithms, Network Security, AI Techniques

Technical Skills

Languages: PHP, JavaScript, SQL, C++, C#, Java, Python, HTML5, CSS3

Frameworks/Libraries: React.js, Node.js, Express.js, JAX-RS, Bootstrap, Vanilla Tilt, Socket.io

Databases: MySQL, MongoDB, Neo4j, Oracle, Firebase (Firestore)

Tools & Platforms: Git, Maven, Tomcat, NetBeans, Visual Studio, Cisco Packet Tracer, Postman, AWS EC2, Netlify

Concepts: Object-Oriented Programming (OOP), MVC Architecture, Database Design & Management,

Core Concepts: OOP, MVC, RESTful APIs, Database Normalization, Data Structures & Algorithms (Kruskal, Prim), Network Security, Agile/Scrum, Project Management

Projects

Project Manager & Full-Stack Developer | The Times Team Jul 2025

– Nov 2025

- Led a 5-person team in developing a full e-commerce website using PHP, MySQL, JavaScript, HTML, and CSS
- Built **all static pages, user and admin dashboards**, and implemented dynamic backend functionality
- Designed **database schema (ERD, relational tables, optimized queries)**
- Applied Agile/Scrum methodologies to manage project timelines, delegate tasks, and ensure on-time delivery of milestones, successfully keeping the project on a 4-month schedule.
- Orchestrated the systems analysis and architectural planning for a scalable PHP/MySQL platform using an MVC pattern, detailing functional specs, ERD diagrams, and security protocols. Live Demo: <https://homewareontap.wuaze.com>

Rental Property Website, 2025

- Designed and developed a web application for property rentals using HTML, CSS, JavaScript, PHP, and MySQL.
- Implemented features for property listings, user authentication, and booking management with a responsive interface.
- Optimized SQL queries and hosted live
- Live Demo: <https://mambarentals.wuaze.com>

Java RESTful Web Service for Hardware Shop, 2025

- Built a RESTful API using Java, JAX-RS, and MySQL to manage hardware inventory, user accounts, and shopping carts.
- Configured Maven dependencies and Tomcat 9 for deployment, ensuring secure data exchange via JSON.
- Tested API endpoints using Postman for functionality and performance.

CFCI Church Website, 2025

- PHP, MySQL, JavaScript, Bootstrap
- Comprehensive church management system with multi-role access (Admin, Pastor, Member, Visitor). Features include event management, donation processing, prayer request handling, sermon library, and member directory.
- GitHub: https://github.com/Sandziso/CFCI_Church_Website

Umsebenti Wemaswati (Local Services Marketplace)

- MERN Stack (React, Node.js, Express, MongoDB), Socket.io, Mobile Money
- Marketplace connecting skilled service providers with customers across Eswatini.
- Features real-time messaging, advanced search with geolocation, booking system, and integrated mobile money payments (MTN, Airtel).
- GitHub: <https://github.com/Sandziso/Umsebenti>

Minimum Spanning Tree Implementation (C#), 2024

- Implemented Kruskal's and Prim's algorithms for network optimization in C#, including graph, node, and edge classes.
- Measured algorithm performance using DateTime and analyzed runtime results with box-and-whisker plots.

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Additional Information

- Languages: English (Fluent), siSwati (Native)
- Interests: Web development, full-stack applications, AI & machine learning, Agile project management