VHULENDA MASHAMBA

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EDUCATION

2022 - 2025

University of Witwatersrand, Johannesburg

Bsc Computer Science and Information systems

• I've Developed proficiency in programming languages such as Javascript, Java, Python, c# and C++, enabling the design and implementation of robust software applications.
• Gained a solid understanding of algorithms and data structures to optimise code efficiency and performance in software solutions.
• Acquired knowledge in software engineering principles, including agile methodologies, version control, and software lifecycle management.
• Studied database management systems to design, implement, and query relational and non-relational databases effectively.
• Implemented web development skills using HTML, CSS, JavaScript, and frameworks to build responsive and user-friendly interfaces.

PROJECTS

08/2025 - 11/2025

SafeRide | Mobile App

Developed a community-driven safety application for the South African e-hailing market. The app allows users to report driver harassment linked to vehicle number plates and search a database of reported vehicles before starting a trip. Features include real-time reporting, a searchable safety database, and secure user verification.

- **Tech Stack:** React Native (Expo), Node.js (Express), MongoDB, Redis (Caching)
- **Methodologies:** Agile, RESTful API Architecture, Database Optimization

06/2025 - 10/2025

Academy Application Portal | Web App

Alusani Academy - Student Portal
SMOKE484/Amsa-Website

Built a comprehensive admission and tuition management system for an extra classes academy. The portal enables students to apply for admission and manage monthly tuition payments upon acceptance. Includes an admin dashboard for tracking application statuses and monitoring payment records to ensure financial compliance.

- **Tech Stack:** Vanilla JavaScript, HTML/CSS, Firebase (Auth, Firestore), Paystack API
- **Methodologies:** Client-Side MVC Architecture, Third-Party Payment Integration, Agile

03/2025 - 06/2025	**Amacusi Farming	Web System**

https://amacusi-farming-web-system.github.io/Amacusi-Farming/Amacusi-Farming-Web-System/Amacusi-Farming

Developed Amacusi Farming Admin Dashboard, a web-based management system for an agricultural e-commerce platform. Key features include product CRUD operations with image handling, order management with status tracking, customer insights, and comprehensive reporting on sales, payments, and product performance. Implemented secure authentication, responsive UI, and export functionalities for PDF reports.

- **Tech Stack:** Vanilla JavaScript, Firebase (Auth, Firestore, Cloud Functions, Storage), HTML/CSS, Chart.js
- **Methodologies:** Agile (Sprint Planning), TDD (Manual Testing), Client-Side MVC Architecture

02/2025 - 06/2025	**Freelancer Management Platform	Web App**

https://nice-dune-05fc61f10.6.azurestaticapps.net
FREELYNK2/FreeLancer-Management

A vanilla JavaScript web application with Firebase backend designed to streamline freelancer-client collaborations. The platform enables secure job postings, contract management, and milestone tracking, solving key pain points in the gig economy.

- **Tech Stack:** Vanilla JavaScript, Firebase (Auth, Firestore, Cloud Functions), HTML/CSS
- **Methodologies:** Agile (Sprint Planning), TDD (Manual Testing), Client-Side MVC Architecture

05/2024 - 06/2025	**Business Websites	Static Websites**

Designed and delivered static websites for multiple small businesses. Using core technologies like HTML5, CSS3, and JavaScript, I've built mobile-responsive, SEO-optimized sites that helped clients establish their online presence and attract new customers.

TECHNICAL SKILLS & FRAMEWORK

Javascript	Java
Python	C#
C++	HTML/CSS
UX/UI	Figma
React.js	Node.js
SQL	MongoDB
Firebase	Git/GitHub
CI/CD	

SOFT SKILLS

- Client Communication
- Problem-Solving & Adaptability
- Time Management & Organization
- Continuous Learner

- Team Collaboration