

Muhle Mabunda

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PROFESSIONAL SUMMARY

Aspiring IT professional with hands-on experience in full-stack web development, API integration, and application design. Skilled in **React**, **TypeScript**, **Node.js**, and **SQL & NOSQL**, with a focus on building scalable systems and user-friendly interfaces. Passionate about using technology particularly **Artificial Intelligence** to solve real-world problems and committed to continuous learning and seeking opportunities to grow in a collaborative, innovative environment.

EDUCATION

North-West University (NWU) - Vanderbijl

Bachelor of Science in Information Technology - Feb 2022 - Nov 2025 (Expected)

Key Modules: Object Oriented Programming (Java), Data Structures, Algorithms, Software Engineering, Computer Networks, Web Development, Artificial Intelligence, Security, Databases, Decision Support Systems, Statistics, Mathematics, Computer Networking

Accumulated Average: 74,30%

CERTIFICATIONS / ACHIEVEMENTS

- Certificate of Participation – Campus Hackathon 2024
- Golden Key International Honors Society
- National Senior Certificate: Bachelors Admission
- Tutoring First & Second year students : C# , Java

PROJECTS, WORK EXPERIENCE & INTERNSHIP

eCommerce Web App | 2025

- Developed a customized eCommerce web app for a small group of clients selling tech products including laptops and smartphones
- Used Tailwind CSS for responsive and Framer Motion for smooth animation.
- Designed responsive layouts tailored for mobile-first users interested in tech devices.

Clinic Chatbot Web App | 2024

- Developed a clinic chatbot web app to assist patients with appointment queries, health tips, and emergency support.
- Built using HTML, CSS, and JavaScript for a responsive and user-friendly interface
- Integrated Node.js to handle server-side logic and real-time chatbot interactions, Implemented API integrations for **SMS alerts and location sharing**, enabling emergency personnel to be notified in critical situations
- Practiced version control and team coordination via Git to ensure smooth project integration.

TECHNICAL PROJECTS

AI Chatbot Project

- Developed an intelligent chatbot powered by Cohere's large language models to simulate human-like conversations and provide instant responses to user queries.
- Utilized Cohere's API to implement natural language understanding and generation allowing the chatbot to handle diverse conversational contexts.
- Tested the chatbot extensively to refine prompt design, improve response accuracy, and enhance user experience.

TECHNICAL SKILLS

- **Programing Languages:** Java, C++, Python, C#,
- **Backend & APIs:** Node.js, Express.js, RESTful APIs, Python
- **Frontend:** HTML, CSS, JavaScript, TypeScript, React, Next.js, Tailwind CSS
- **Database:** MySQL, SQL, Oracle SQL, NoSQL: Firebase, MongoDB
- **Dev Tools & Others:** Git, GitHub, Visual Studio Code, Visual Studio, Code Blocks, .Net Multi-platform App AUI
- **Soft Skills:** Time management, Adaptability, Problem solver, Communication

LANGUAGES

English (Fluent)

Tsonga (Native)

REFERENCES

Available upon request.