VUYANI MATSHUNGWANA

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Location: Observatory, Cape Town | [Portfolio](#) | [GitHub](#) | [LinkedIn](#)

PROFESSIONAL SUMMARY

Final-year BSc Computer Science & Computer Engineering student (Graduating 2026) with hands-on experience in full-stack web development, REST API design, and database integration. Skilled in building scalable applications from scratch, with a strong foundation in modern web technologies and strong problem-solving skills. Passionate about delivering impactful user experiences through clean, efficient code.

TECHNICAL SKILLS

- **Programming Languages:** HTML, CSS, JavaScript, TypeScript, Python, Java, C++, Embedded C, Assembly
- **Frameworks & Libraries:** React, Tailwind CSS, Django
- **Databases:** MongoDB (Djongo), SQL
- **Tools:** Git, Linux
- **Other:** REST API Development

PROJECTS

SeaClear Website | [Live Demo](#) · [Frontend GitHub](#) · [Backend GitHub](#)

A platform providing real-time Cape Town beach water quality data for public safety and environmental awareness. (Academic project)

- Responsible for the entire backend development using Python and Django.
- Set up the database structure and ensured seamless integration with MongoDB via Djongo.
- Developed REST APIs to enable dynamic fetching of water quality data from external APIs.
- Implemented most of the data-fetching logic from the APIs in the front end.

EDUCATION

Bachelor of Science in Computer Science and Computer Engineering University of Cape Town | Final year Student

- **Relevant Coursework:** Programming in Python, Java, C++, Networks, Operating Systems, Data Structures and Algorithms, SQL, Parallel and Concurrent Programming in Java, Computer Architecture, Scrum, Agile, Waterfall, Design patterns, SOLID, Software architecture. Semiconductor Basics, Diodes, Transistors, Operational Amplifiers, Digital Meets Analogue, Micro Controllers, C programming, Digital-electronics.

ADDITIONAL TRAINING

- [HTML & CSS, Flexbox, CSS Grid – freeCodeCamp (Completed)](#)
- [JavaScript – SuperSimpleDev (Completed)](#)
- [ReactJS & TypeScript – Huxn WebDev (In Progress, 16 hrs)](#)
- [React Router – Cosden Solutions (Completed)](#)
- [Tailwind CSS – freeCodeCamp (Completed)](#)

LANGUAGES

Xhosa (Native), English