

Tshegofatso Mkhabela

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Education

- BSc (Eduvos), Computer Science, 83% Ongoing 2027
- BHSc (Wits), Biomedical Sciences Completed

Projects

.Roast, Coffee Brew Log App Jul. 2025 – Aug. 2025

- Developed a full-stack app to log, filter, and manage coffee brews for a micro-roastery in JavaScript (React), CSS (Tailwind CSS) & HTML.
- Built a REST API in Node.js and Express.js, using SQL (PostgreSQL) for data storage and an ORM for querying.
- Deployed the app with clear setup and deployment docs, maintaining clean, feature-based Git commits.

ITWeb Security Summit Hackathon, 3rd Place Apr. 2025 – June. 2025

- Worked as part of a team to engineer a secure by design full-stack hospital management system in JavaScript (TypeScript, React, Next.js), CSS (Tailwind CSS) & HTML.
- Engineered a NoSQL (MongoDB) database, parametrizing queries and encrypting sensitive data.
- Designed a responsive UI, ensuring cross-device compatibility and cross-site brand consistency.
- Implemented continuous testing and documentation during development to identify vulnerabilities.

Eduvos Web Dev Hackathon, Top 10 Mar. 2025 – Mar. 2025

- Architected a front-end coding club site facilitating joining the club and member onboarding in JavaScript, CSS & HTML.
- Designed a chatbot that answers new member questions thus improving member retention.
- Sought mentorship to implement cross-site HTML semantic tags for SEO optimization to enhance site visibility in search engines.

Work History

Clinical Assistant, Part Time at UUME University of Witwatersrand Mar. 2023 – Sept. 2023

- Worked as part of a team to improved patient satisfaction to 92% by streamlining medical processes based on DoH research findings.
- Coordinated medical tasks for patients, ensuring patient understanding of complex medical information and maintaining effective care.

Certificates

- Kubernetes and Cloud Native Essentials (LFS-250) Completed
- Google Cybersecurity Professional Completed
- First Aid Level 1, 2 & 3 Completed