

Lehlohonolo Tshabalala

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Education

WeThinkCode_

Sep 2024 – Dec 2025

Diploma in Software Engineering

Aha-Thuto Secondary School

Jan 2011 – Dec 2015

Grade 12 / Matric Majored in Maths & Science

Experience

Technical Mentor

Mar 2025 – Present

WeThinkCoode_

- Mentor software engineering students through code reviews, pair programming, and debugging across Python/Django, Java/Spring Boot, React/JavaScript, and SQL.
- Explain complex concepts (algorithms, data structures, OOP, testing, Git) into practical exercises and real-world projects.
- Provide structured feedback and growth plans that improve code quality, testing discipline, and learner autonomy across cohorts.
- Champion inclusive, collaborative practices (PR etiquette, peer reviews, sprint rituals) to build strong team habits.

Data Capturer

Jan 2021 – Mar 2023

Mpumelelo Clinic

- Captured, validated, and maintained patient-level data in HIS, DHIS, and TIER.Net.
- Produced and submitted ART program reports on weekly, monthly, and quarterly cycles.
- Performed routine data quality assessments, reconciled registers, and resolved discrepancies.
- Updated defaulter-tracing tools with CHW outcomes and coordinated follow-ups with facility teams.
- Administered data backups and safeguarded records in line with Department of Health standards.
- Supported HIS project rollouts and user support at facility level.

Projects

Gym Application | React.js, Tailwind CSS, FastAPI, PostgreSQL, PyTorch, OpenAI API 2025 – 2026

- AI-Powered Workout Recommendations – Personalized workout plans based on fitness levels and goals.
- Smart Diet & Nutrition Guide – AI-generated meal plans for users.
- Pose Detection & Form Correction – AI analyzes workout form and provides real-time feedback.
- AI Chatbot – Assists with workout guidance, fitness tips, and general queries
- Progress Tracking & Analytics – AI predicts progress and provides reports.
- Gym Membership & Subscription Management – Users can manage their membership plans.

Portfolio Website | HTML, CSS and Java

2024 – Present

Built a responsive personal portfolio to showcase technical skills, projects, and contact information.

- Implemented smooth in-page navigation and scroll-triggered animations to improve UX
- Developed a mobile-first, fully responsive layout across devices
- Added a contact form with client-side validation

Technical Skills

Languages : Java, Python, SQL (Postgres), JavaScript, HTML/CSS

Frameworks : React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI

Developer Tools : Git, Docker, TravisCI, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Libraries : pandas, NumPy, Matplotlib