Lehlohonolo Tshabalala

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Education

WeThinkCode_   2024 – 2025

Diploma in Software Engineering

                                                                   2011 – 2015
Aha-Thuto Secondary School

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 Analyst   Jan 2021 – Mar 2023
Mpumelelo Clinic

- Automated data validation scripts using Python, reducing manual entry errors by 25% compared to traditional data capturing.
- Analyzed public health datasets to identify service delivery gaps, providing insights that informed resource allocation.
- Streamlined data retrieval processes by implementing organized Excel filtering and Power BI visualizations for departmental reporting.

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.

                                                                   2024 – 2025
Portfolio Website | HTML, CSS and Java

    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