

Riyaaz Mahamed

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EDUCATION

WeThinkCode_ <i>Higher National Diploma in Software Engineering</i>	Sep. 2024 – Dec. 2025 <i>Johannesburg, South Africa</i>
John Orr Technical High School <i>National Senior Certificate (Matric)</i>	2016 – 2021 <i>Johannesburg, South Africa</i>

EXPERIENCE

Technical Mentor <i>WeThinkCode_</i>	Sep. 2025 – Present <i>Johannesburg, South Africa</i>
<ul style="list-style-type: none">• Mentoring the next cohort of students in Python, providing guidance on problem-solving, coding practices, and debugging.• Supporting students in building confidence and developing foundational programming skills.• Fostering a collaborative learning environment through peer-to-peer knowledge sharing.	
Front Desk Administrator & Tech Support <i>WeThinkCode_</i>	Jan. 2025 – Present <i>Johannesburg, South Africa</i>
<ul style="list-style-type: none">• Managed application and appointment systems, responded to queries, and ensured daily office workflow.• Provided technical support on hardware, software, biometrics, connectivity, and printers.• Assisted users with internal tools and third-party software.	
Customer Service Supervisor <i>Drinkworld</i>	Sep. 2022 – Feb. 2024 <i>Crown Mines, South Africa</i>
<ul style="list-style-type: none">• Led customer support in retail and wholesale environments.• Streamlined point-of-sale processes and managed inventory operations.	
Cashier <i>Q Cash and Carry</i>	Jul. 2020 – Oct. 2020 <i>Randfontein, South Africa</i>
<ul style="list-style-type: none">• Handled customer transactions efficiently, ensuring accuracy in cash and card payments.• Maintained a high level of customer service by assisting shoppers and resolving queries.• Balanced cash drawer daily and supported inventory checks during shifts.	

PROJECTS

Home Lab Environment Linux, Virtualization	2025
<ul style="list-style-type: none">• Building a personal home lab on repurposed hardware to practice system administration and networking basics.• Installed and configured Linux servers in a virtualized environment for hands-on learning.• Experimenting with beginner-friendly tools such as Docker, SSH, and file sharing services.• Using the lab as a sandbox to grow skills in DevOps, networking, and cloud technologies.	
Mindscope Mental Health Tracker Python, Flask, SQLite, HTML/CSS	2025
<ul style="list-style-type: none">• Created a mental health journaling and tracking web app to help users monitor emotions and habits.• Implemented secure login, session journaling, and weekly mood insights.	
Africa Preserved React, Flask, Gemini API	2025
<ul style="list-style-type: none">• Developed a platform showcasing African heritage sites and cultural history using Flask for backend.• Collaborated in a team to build responsive frontend interfaces and integrate real-time data storage.	
Fitman Fitness App Java, Spring Boot, MySQL, React	2025
<ul style="list-style-type: none">• Building a full-stack fitness application to manage workout plans, track progress, and log nutrition.• Implementing RESTful APIs with Spring Boot and a responsive React frontend.	
LiveSign Python, TensorFlow, OpenCV	2025

- Building a real-time sign language translator using computer vision and machine learning to detect hand gestures for a the Geekulcha Hackathon.
- Processed video input via OpenCV and mapped gestures to text, improving accessibility.

Cine-Search | JavaScript, React, TMDB API

2025

- Developed a movie search web app with filters, search suggestions, and detailed movie info.
- Integrated external movie database APIs and ensured responsive UI design.

Facial Embeddings | Python, Face Recognition, NumPy

2025

- Created embeddings for facial recognition tasks using pre-trained models.
- Worked on validation and similarity metrics for comparing faces securely.

CERTIFICATIONS

Java Core Certification (Udemy) – May 2025

Microsoft AI Fluency Course – Apr. 2025

CS50's Introduction to Programming with Python – Dec. 2024

CS50's Introduction to Databases with SQL – Jul. 2025

Cloud Computing Solutions Architect (In Progress, ALX Africa) – Expected Feb. 2026

TECHNICAL SKILLS

Programming: Python, Java, SQL, Spring Boot, Flask, Docker, Pipelines, Cloud Computing

Tools: Microsoft Office, Google Workspace, Calendly, Zendesk, Freshdesk, TeamViewer, AnyDesk, Zoom

Soft Skills: Communication, Teamwork, Creativity, Problem-solving, Punctuality

Support: Technical Troubleshooting, Remote Helpdesk, Network Assistance