

# Amohelang Mohlomi *Junior Software Engineer*

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 30 June 2005

 Female

## Profile

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As a Software Engineering student majoring in Data Engineering, I'm passionate about building intelligent, scalable systems powered by data and AI. With a keen interest in Artificial Intelligence and Machine Learning, I focus on developing solutions that drive innovation across domains like smart security, home automation, and predictive healthcare. My background in Human Resources Management gives me a unique advantage in designing systems that are not only technically robust but also deeply user-focused. I believe AI and data can shape powerful stories — and I'm here to help write them.

## Education

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09/2024 – Present **Diploma in Software Engineering**  
Johannesburg, South Africa *WeThinkCode\_*

01/2023 – 06/2024 **N6 Human Resources Management**  
Free State, South Africa *Maluti TVET College*

## Professional Experience

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09/2025 – Present **Technical Mentor**  
Johannesburg, South Africa *WeThinkCode\_*  
As a Technical Mentor, I provide technical guidance and support to the new cohort of students, helping them navigate their coursework and develop essential skills in software development. I am working closely with students, providing one-on-one mentorship, and feedback to ensure they achieve their full potential.

03/2025 – Present **Workshop Coordinator**  
Johannesburg, South Africa *WomenThinkCode, WeThinkCode\_*  
I am responsible for planning and facilitating workshops, arrange speakers, resources and venues and also align the workshops with committee goals.

05/2025 – 08/2025 **Bootcamp Assisstant**  
Johannesburg, South Africa *WeThinkCode\_*  
I was responsible for assisting the bootcampers with technical support.

## Skills

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Python	● ● ● ● ●	Java	● ● ● ● ●
SQL	● ● ● ● ●	TypeScript	● ● ● ● ●
JavaScript	● ● ● ● ●	HTML	● ● ● ● ●
CSS	● ● ● ● ●	Flask	● ● ● ● ●
Docker	● ● ● ● ●	Git	● ● ● ● ●
MS Excel	● ● ● ● ●	MS Access	● ● ● ● ●
MS Word	● ● ● ● ●	MS Powerpoint	● ● ● ● ●
Jupyter Notebook	● ● ● ● ●	MySQL	● ● ● ● ●
PowerBI	● ● ● ● ●	PostgreSQL	● ● ● ● ●
REST APIs	● ● ● ● ●	SQLAlchemy	● ● ● ● ●

## Languages

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- English
- Sesotho
- Afrikaans

## Certificates

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- GenAI for Software Engineering - WeThinkCode\_
- Microsoft AI Fluency - Microsoft
- AWS Educate Machine Learning Foundations - AWS Educate
- Python for Data Science - IBM

## Projects

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09/2025 – 10/2025

### BudgetFlow

BudgetFlow is a smart personal budgeting web application that helps you track your expenses, build monthly budgets, and stay on top of your financial goals — all in one place. With category-based expense tracking, insightful graphs, and AI-powered financial advice from Penny, your friendly budgeting assistant, BudgetFlow is your personal financial.

08/2025 – 09/2025

### IntervAI

IntervAI is an interactive interview preparation app that helps users practice answering common interview questions. It fetches questions from a SQLite database (questions.db), then displays them one by one. Users can respond via voice input or text input, and the app provides real-time feedback and tips to help improve their answers.

03/2025 – 09/2025

### BrainBloom (Group Project)

BrainBloom is an intelligent, AI-driven study assistant web application built to empower learners by promoting critical thinking, self-paced learning, and meaningful collaboration.

09/2025 – 10/2025

### Personal Website

My personal portfolio website built with HTML, CSS, and JavaScript, designed to showcase my projects, educational background, certifications, and technical skills. This site serves as a central hub for exploring my work and learning more about my background as a developer.

Deployment: Netlify

11/2025 – 12/2025

### Crime Hotspots REST API

RESTful API for accessing and managing crime hotspot data with location, danger scale, and crime type metadata.

## **Interests**

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- Artificial Intelligence
- Predictive Analytics in Healthcare
- Machine Learning
- Storytelling Through Data
- Smart Home Automation & IoT Systems

## **References**

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**References available upon request**