

Mubvafhi Moses

Back-End Engineer

Full Name: Mueletshedzi Moses

Nationality: South African

Gender: Male

Education

- (Ongoing) Bsc in IT in Computer Science and Informatics

Certificates

- Artificial Intelligence in the 4IR (SLP)
- AFRICAN INSIGHTS-15 CRED NQF5

Technical Skills

Java	C++	JavaScript
MySQL	ASP.net	XAMPP
Eclipse	C#	PHP
Git	Github	Bash Scripting
Python	Shell	C

Experience

Software Engineering Training at ALX South Africa

- Role: Trainee
- Duration: 5 months
- Responsibilities:
- Participated in intensive training programs focused on software engineering principles.
- Developed multiple projects to apply learned concepts.
- Collaborated with peers on coding challenges and group projects.

Internship at CodeClouse

- Role: Data Science Intern
- Duration: 1 month
- Responsibilities:
- Participated in data science projects, applying machine learning techniques.
- Analyzed and visualized data using Python libraries such as Pandas, NumPy, and Matplotlib.
- Developed predictive models and evaluated their performance.
- Developed data-driven solutions for various business problems.

Tutoring at Excel@Uni

- Role: Computer Science and Informatics Tutor
- Duration: 4 months
- Responsibilities:
- Provided one-on-one instruction and academic coaching to students.
- Assisted students with homework and practical assignments.
- Developed and conducted review sessions to prepare students for exams.

Projects

PowerTrack 360

- Description: An ongoing final year project focused on implementing an Incident Management System for Eskom Kendal Power Station.
- Technologies Used: PHP, XAMMP, MySQL, JavaScript, HTML, CSS, flutter, React.js, Dart.
- Responsibilities:
- Designed and developed the backend system for incident reporting and tracking.
- Integrated real-time data processing and notifications.
- Implemented functionalities for coal level estimation, weather alerts, and inventory tracking.
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- Technologies Used: PHP, XAMMP, MySQL, JavaScript, HTML, CSS.
- Responsibilities:
- Designed and developed the backend system for incident reporting and tracking.
- Integrated real-time data processing and notifications.

AI Model for Predictive Analytics

- Description: Developed an AI model to analyze data and provide predictive insights.
- Technologies Used: Python, Scikit-Learn, Pandas, NumPy, Matplotlib, Anaconda, Jupiter notebook.
- Responsibilities:
- Collected and cleaned large datasets.
- Built and trained machine learning models.
- Visualized the results to provide actionable insights.

Recommendation System

- Description: Created a recommendation system using collaborative filtering techniques to suggest products to users based on their preferences and behaviors.
- Technologies Used: Python, Pandas, NumPy, Scikit-Learn
- Responsibilities:
- Developed algorithms for collaborative filtering.
- Processed and analyzed user data to generate recommendations.
- Evaluated the performance of the recommendation system.