

# MAIMANE LOLA

Software Engineer

## CONTACT

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## EDUCATION

- 2022-2024
- VAAL UNIVERSITY OF TECHNOLOGY
- N.Diploma in Information Technology

## SKILLS

- \*Database Programming\*: Proficient in SQL, PL/SQL using Oracle products, and database management with SQL Server, MySQL, and MS Access.
- \*Programming Languages\*: Java, Python, PHP, C++.
- \*Web Development\*: Expertise in Node.js, Django, Vue.js, React, PHP, HTML, JavaScript, ASP.NET, and Bootstrap.
- \*Machine Learning & AI\*: Skilled in developing AI and machine learning models.
- \*Frameworks & Libraries\*: React, Node.js, Django, Vue.js, Bootstrap.
- \*Systems Analysis & Design\*: Knowledgeable in UML and structured methodologies.
- \*Operating Systems\*: Windows and Linux.
- \*Software Tools\*: Visual Studio, NetBeans, Embarcadero C++ Builder.

## ONLINE COURSES AND CERTIFICATES

- CS50: Introduction to Computer Science
- CS50: Web Programming with Python and JavaScript
- Data Science Tools
- Data Science 101
- CompTIA Cloud Intermediate
- Frontend Development Libraries
- Machine Learning with Python
- Machine Learning with AI

## PROFILE SUMMARY

I'm a passionate and versatile Software Engineer with expertise in designing and developing robust applications, intelligent systems, and scalable web solutions. With a strong foundation in modern programming tools and frameworks, I deliver innovative solutions that align with client objectives and drive success. I am committed to continuous learning and leveraging advanced technologies, such as machine learning, AI, and modern frameworks, to build user-friendly and future-ready applications.

## PROJECTS

### 1. Baatseba's Bakehouse

(Website)

- \*Objective\*: Showcase products with high-quality images and descriptions, offering customers an easy way to browse and order online.
- \*Techniques\*: Responsive Web Design, Semantic HTML Structure, CSS Flexbox and Grid Layouts.
- \*Tools\*: HTML, CSS.

### 2. IBM Gen AI

(AI and Machine Learning)

- \*Objective\*: Create an intelligent, AI-driven application using Generative AI.
- \*Techniques\*: Flask web application, JSON responses, AI-integrated code.
- \*Tools\*: Python, JSON, Llama, Granite, Mixtral.

### 3. Freshscents

(E-commerce Platform)

- \*Objective\*: Enhance student learning and provide insights through data-driven analysis.
- \*Techniques\*: Data Collection, SQL Database, Machine Learning Algorithms.
- \*Tools\*: HTML, CSS, JavaScript, PHP, SQL.