DAVID EBULA

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✉ davidebula642@gmail.com

🖥 https://davidMumpasa.github.io/Portfolio

📍 South africa, Pretoria, Gauteng

Education

Bachelor of Computer science

Tshwane university of technology
2020 - 2023

Expertise

Spring boot	React Native
Java	Angular.js
Python	Android Studio
React.js	Jenkins CI/CD
Rest API	

Language

English

French

Swahili

Lingala

Interests

Playing video Games

Playing soccer

Playing basketball

Reading

Software Developer

👤 Profile

Aspiring Junior Developer with a strong software engineering foundation and a passion for mobile, web, and AI-driven applications. Experienced in startup projects, team collaboration, and delivering innovative solutions, I aim to create cutting-edge features that enhance user experiences. Eager to grow in a dynamic environment, embrace new technologies, and tackle meaningful challenges.

💼 Work Experience

2022 – 2023

XGile-IT
Software Developer

- Designed and built robust REST APIs to support seamless integration with frontend components, enhancing application performance and user experience.
- Contributed to the design and development of mobile applications , focusing on responsive and intuitive user interfaces.

2023 – Present

Fluid Intellect
Software Developer & AI Engineer

- Designed and implemented scalable REST APIs and backend services to support AI-driven applications.
- Collaborated with cross-functional teams to design and deliver AI-powered solutions , including natural language processing (NLP) tools and computer vision systems.
- Developed responsive and interactive **user interfaces** using modern frameworks like **React.js** and **React Native** .

Certificates

- Cisco networking

Projects

Satori – Custom Generative AI for Document and Database Querying

- Description: Developed "Satori," a custom generative AI platform designed to answer complex queries related to documents and databases. The system leverages advanced natural language processing (NLP) and machine learning algorithms to understand user questions and retrieve accurate, context-aware answers.
- Engineered a robust data pipeline to ingest, preprocess, and store large volumes of unstructured and structured data, ensuring efficient and scalable access to information.
- Integrated the AI model with various data sources, including document repositories and relational databases, enabling seamless querying across different data formats.
- Implemented custom NLP algorithms to parse and understand user queries, enhancing the AI's ability to interpret context and provide relevant responses.

- **Technologies Used:** Python, NLP, Machine Learning, MySQL, Hadoop, Spark, Denodo, Jenkins, RESTful APIs, AWS.

Lab Management System

- Developed an online lab booking system for a university to streamline the process of reserving laboratory facilities. Designed and implemented a user-friendly interface for students to view available labs and make reservations in real-time.
- https://github.com/davidMumpasa/TaskManagementSystem

- **Technologies Used:** Python, MySQL, RESTful APIs, Angular.js.

📖 References

Vuyisile memani

Lecturer at TUT

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