

Reage Nkoana

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PROFILE

I am a highly driven BSc IT final year student specializing in Computer Science and Informatics, with a solid foundation in software development, web development, mobile applications, RESTful APIs, and database management. Proficient in programming languages such as C++, Java, Python, C#, and JavaScript, I focus on creating efficient, user-friendly solutions that enhance user experiences. Skilled in modern web technologies, including HTML5, CSS3, and React, I combine my technical expertise with strong analytical problem-solving skills and effective communication abilities. Outside of my academic pursuits, I am passionate about exploring artificial intelligence, which led me to develop an AI Game using Python and PyTorch to deepen my understanding of AI concepts. I am eager to contribute to innovative projects that push the boundaries of technology and continue my growth in the field of computer science.

PROJECTS

CV Web Portfolio

reagenkoana.github.io/my-cv-portfolio/

- A **CV Web Portfolio** using HTML and CSS. This interactive and responsive site showcases my education, projects, and skills. Serving as an online resume, it offers a concise overview of my qualifications and achievements for potential employers and collaborators.

UJCIVIL

University of Johannesburg, The UJCivil Society Club • youtu.be/6G9XnhJ-6vA

- **UJCIVIL**: a web and mobile application, along with a RESTful Web API, developed using ASP.NET and deployed to Azure for the UJ Civil Society Club at the University of Johannesburg. This application facilitates efficient communication and collaboration among club members, enabling them to organize events, share resources, and engage with the broader university community.

FarmCare

University of Johannesburg • youtu.be/to2yhkrPdnc

- **FarmCare**: a Java and JavaFX-based application that **utilizes blockchain** technology to securely track farm animal vaccinations. This application equips farmers with a reliable system for managing vaccination records, enhancing transparency and accountability in livestock health management. By leveraging blockchain, FarmCare ensures data integrity and immutability, enabling farmers to make informed decisions regarding animal care and vaccination schedules.

AI Game

Personal Project • github.com/ReageNkoana/SnakeGame

- Developed an AI-driven Snake Game using Python, PyTorch, and Pygame. This project leverages machine learning to create an intelligent snake that adapts and learns as it navigates the game.

EDUCATION

BSc in IT in Computer Science and Informatics

University of Johannesburg • Johannesburg, South Africa • 02/2021

CERTIFICATIONS

Artificial Intelligence in the 4IR

University of Johannesburg • 2022

- The Artificial Intelligence in the 4IR course from the University of Johannesburg equips students with essential knowledge of AI technologies and their applications in the Fourth Industrial Revolution, preparing them to innovate and integrate smart solutions in an increasingly tech-driven world.

Financial Literacy - Be Money Wise

University of Johannesburg • 2024

- The Financial Literacy - Be Money Wise course at the University of Johannesburg provides essential skills in managing personal finances, budgeting, and understanding financial concepts, empowering individuals to make informed financial decisions and build a solid foundation for economic well-being.

African Insights

University of Johannesburg • 2024

- The African Insights course at the University of Johannesburg explores the rich cultural, social, and historical heritage of Africa, fostering a deeper understanding and appreciation of the continent's diverse traditions and its influence on the global stage.

SKILLS

Video Editing: CapCut, Adobe Premiere, DaVinci Resolve

Programming Languages: C++, Java, Python, C, C#, JavaScript (node.js, Asp.net), SQL, CSS, Visual Basic, Delphi

Languages: English (Proficient), Setswana/Sepedi/Sesotho (Proficient), Afrikaans (Intermediate)