

Kealey Isheja Ruhaya

5 Zebra Drive, Serengeti Golf and Wildlife Estate, Kempton Park, Gauteng • +27 81 528 1586

[LinkedIn](#) • kealeyruhaya.com • [GitHub](#)

Proficient Languages: Java, Python, C, C++, C#, PHP, SQL

Education, Certifications

BSc Honours in Information Technology, University of Johannesburg 01/2024 – 11/2024

Focusing on Artificial Intelligence and Cybersecurity, the BSc Honours in Information Technology dives into various AI, Cybersecurity and Biometric techniques and includes a comprehensive year-long project. BSc Honours (Information Technology) degree fully complies with the educational component to register as Certified Information Technology Professional (CITP) with the BCS.

- Developing a Medical image classifier using AI techniques such as CNNs and Vision Transformers to identify Tuberculosis in chest x-rays.
- Currently enrolled in Cybersecurity modules such as Information Security, Network Information Security, and Information Security Governance.

BSc in Computer Science and Informatics, University of Johannesburg 01/2020 – 11/2023

Completed a Bachelor's degree in Computer Science and Informatics focusing on Advanced Data Structures and Algorithms, Object-oriented programming, Mobile and Web Development, Internet Electronic Commerce and Advanced Software Engineering. Worked with a team as the team leader to complete projects using: C++, C#, Java, PHP, Visual Basic, SQL, Git.

- Achieved 80% Average for Computer Science in my Final Year and a 74% average throughout my degree.
- Completed several projects including Server-Client program, E-commerce book store and Home Renovation booking system and present both team projects at UJ Projects Day 2023.
- Recognised as one of the best teams for developing a fully functional e-commerce website in C#, HTML5, CSS and SQL with a mark of 91%.

Highschool and Matric, Woodlands International College 01/2015 – 11/2019

Achieved high school certificate by completing all required content for all subjects including Math, IT and CAT.

- Received Meritorious Achievement (Level 6) in Mathematics and Computer Applications Technology.
- Helped other students learn IT concepts as the class IT representative and the class IT Tutor.

Artificial Intelligence in the 4IR (SLP) Certificate

Issued 11/2023

Projects

Home Renovation Booking System (Team Lead) *Website and Mobile Application* 2023

- Led a team of three to become top 1% of teams to qualify for UJ Projects Day. The team developed a system that allowed clients to book renovations from Vusizwe Projects. Created the API and the backend of the Android Mobile app using PHP and MySQL as the database.
- *Languages used:* Java, PHP, SQL

Face Anti-Spoofing Biometrics System 2024

- Developed an AI Face Anti-Spoofing system that accurately identifies a real face compared to a spoofed face with an accuracy of 86%. The system used libraries like OpenCV, TensorFlow and CVzone. This system trains a model based on datasets that I created using 14000 images.
- *Languages used:* Python

AI Snake Game using Reinforcement Learning 2024

- Developed an Artificial Intelligence Snake Game using Reinforcement Learning that learns how to play the game by using Deep Q Learning Techniques. Created an agent that was trained using a reward system to incentivise movement towards food cubes.
- *Languages used:* Python