HERITIER KAUMBU

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A highly driven software developer with a passion for building innovative solutions across multiple domains. From emergency management systems to authorship attribution research, I have consistently applied data-driven approaches to solve complex problems. My portfolio spans a wide array of projects, demonstrating a strong commitment to leveraging technology and creativity to address real-world challenges.

EDUCATION

Bcom Honors in Information Systems   Feb 2024 - Present
University of Johannesburg
- Research on "A Data Driven Approach to Authorship Attribution".
- Finalist at the College of Business and Economics Research Poster Competition

Advanced Diploma in Business Information Technology   Feb 2023 - Nov 2023
University of Johannesburg
- Graduated with distinction.
- Top Achiever.
- 1st place Year Project Competition.

Diploma in Business Information Technology   Feb 2020 - Nov 2022
University of Johannesburg
- Graduated with distinction.
- Second and Third Year Top Achiever.
- 3rd place Final Year Project Competition.
- UJenius

PROJECTS

PAVE (Personalized Academic Virtual Environment)   2023

PAVE is a platform that enhances student engagement through personalized learning, offering rewards for participation, real-time quiz and attendance tracking via QR codes, and AI-powered academic insights. Educators can generate quizzes instantly from PDFs, and students receive tailored learning recommendations. The platform's architecture integrates React, React Native, Node.js, and MongoDB for a seamless experience.

Into Being Placements (intobeingplacements.co.za)   2024

Into Being Placements is a recruitment agency specializing in Finance, IT, and Legal sectors. It offers personalized services like candidate sourcing, CV preparation, and interview coaching, with a focus on delivering high-quality candidates within 24-72 hours.

Emergency Management System (EMS)   2024

The EMS is a comprehensive digital platform for managing emergency response operations, including Patient Report Forms (PRF), resource management, and real-time data tracking. It facilitates the collection of detailed patient data and emergency incidents, providing an efficient way for paramedics to record and manage information in critical situations. currently at MVP phase.

TEACH (University of Johannesburg Internal Tool) 2023

TEACH is an internal platform developed for the Department of Industrial Psychology at the University of Johannesburg. It assists academic staff in evaluating their competencies across different career stages, providing tools for self-assessment, career development, and performance management. The platform also supports career progression, offering tailored resources for skill enhancement and promotion readiness.

Deposily (deposily.app) 2024

Deposily helps organizations streamline payments, manage payers, and gain financial insights. It simplifies financial management with secure transaction handling and a user-friendly interface. Built with React, TypeScript, and PostgreSQL, the platform ensures scalability, security, and ease of use for organizations needing efficient deposit and payment management.

WORK EXPERIENCE

Freelancer Dec 2022 - Present

I taught first-year students in Logistics, Retail, Marketing, and Humanities End User Computing skills, focusing on MS Word, MS Excel, MS PowerPoint, and MS Access. I also provided instruction on Computer Literacy and Internet usage within an academic framework.

End User Computing Teacher Aug 2023 - July2024

I taught first-year students in Logistics, Retail, Marketing, and Humanities End User Computing skills, focusing on MS Word, MS Excel, MS PowerPoint, and MS Access. I also provided instruction on Computer Literacy and Internet usage within an academic framework.

Software Development Tutor Feb 2022 - Dec 2023

I specialized in tutoring Python, C#, Javascript, and various web technologies. I helped students understand programming concepts and best practices through lectures and one-on-one tutoring. I assessed student performance and prepared students for careers in software development.

LANGUAGES & SOFT SKILLS

French

English

Swahili

SKILLS

Frontend Dev (TypeScript, React,NextJS HTML, CSS) ● ● ○

Backend Dev (C#, ASP.net, NodeJS, JavaScript) ● ● ○

Databases (PostgresSQL, MySQL, MongoDB) ● ◐ ○

Data Science and ML (Python, Jupyter) ● ● ○

Problem-solving, Leadership, Collaboration, Adaptability, Communication and Critical thinking ● ● ○

AWARDS

- 3x 1st place Hackathon Winner
- UJ Applied Information Systems Best Tutor

VOLUNTEER WORK & INTERESTS

- Impact for Christ Ministries
- Football, Basketball, Videography

REFERENCES

Prof Josef Langerman josefl@uj.ac.za

Associate Professor | Deputy Head of Department Postgraduate Programmes and Research
Head of Center of Applied Data Science

Dr Tebogo Bokaba tbokaba@uj.ac.za

Senior Lecturer | Acting Deputy Head of Department Undergraduate Programmes - Department of Applied Information Systems

Emmanuel Mbuya embuya@uj.ac.za

Lecturer | Lead Developer of the Vice Dean - College of Business and Economics