IVIWE BOOI

Junior Software Engineer | Full Stack Developer

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🌐 personal portfolio

PROFILE:

Software Engineer and final-year Computer Science student at the University of Cape Town (UCT). With a solid foundation in HTML, CSS, JavaScript, Java, and Python, I have developed and deployed dynamic and responsive applications through personal projects that showcase my creativity and technical skills. I have Knowledge in emerging areas like affiliate marketing and partnerships. Actively involved in extracurricular activities, I have honed my teamwork, leadership, and communication abilities, equipping me to thrive in collaborative, fast-paced environments.

SKILLS:

- **Developer Tools:** Visual Studio Code, PyCharm, IntelliJ IDEA, Figma, Chrome DevTools, Git, GitHub, Netlify, Postman, Firebase
- **Tech Stack:** HTML/CSS, JavaScript, Python, Java, React, Flask, Hugging Face Transformers, PyTorch, mySQL
- **Soft & Industry Skills:** Communication Skills, Collaboration, Leadership, Problem-Solving, Affiliate Marketing, Digital Marketing, Partnerships Management, Performance Marketing, Marketing Analytics, Influencer Marketing, and Attribution Models

EDUCATION:

2025 | IT Varsity & FNB App Academy
Certificate in Full Stack Development

- *Coursework*: Version Control Systems (Git & GitHub), HTML5/CSS, JavaScript, The SDK, Principles of UX Design, Design Thinking, RESTful APIs, User-Centric App Development, Data Management and Analysis, Business Development, Backend Development, Business Funding, App Business Marketing.

2022 – 2025 | University of Cape Town
BSc in Computer Science & Genetics
Expected Graduation: March 2026

- *Coursework*: Computer Networks (HTTP, TCP, UDP, DNS, Hosting), Data Structures, Advanced Software Development, Design Patterns & Principles, Agile & Waterfall Methodologies, Theory of Algorithms & Computation, Databases, Python Programming, Java, Linux, UI/UX.

CERTIFICATES:

- **Certificate in Full Stack Development |** IT Varsity **|** July 2025
- **JavaScript Essential Training |** LinkedIn Learning **|** July 2025
- **Learning Rest APIs |** LinkedIn Learning **|** July 2025
- **Introduction to Web APIs |** LinkedIn Learning **|** July 2025
- **Affiliate and Partnerships Industry – Fundamentals |** Impact.com **|** December 2025

PERSONAL PROJECTS:

AI Content Detector WebApp
- Capstone project where I created a full-stack web app with a CNN + Transformer model that can detect AI-generated content from docx, pdf, txt, or text with more than 85% accuracy.
- *Technologies*: React(frontend), Python/Flask (backend), Hugging Face Transformers, CNN, Firebase, GitHub.

ChillBuddy WebApp
- ChillBuddy is an innovative mental health support application that combines AI-driven conversations, gamification, and comprehensive resources to provide accessible mental health support. Built for the South African Intervarsity Hackathon 2025, ChillBuddy aims to make mental health care more approachable and engaging for young adults.
- *Technologies*: HTML5, CSS3, JavaScript(frontend), Python/Flask (backend), Hugging Face Transformers, GitHub.

Weather App
- The SA Weather App is a dynamic web application that provides real-time weather information for cities across South Africa. Users can search for a city, view current weather conditions, and explore additional weather layers such as precipitation and temperature.
- *Technologies*: HTML, CSS, JavaScript, GitHub, Leaflet, APIs.

Tutor Mobile App
- Developed a mobile app with a team using algorithms for real-time tutor matching, resulting in a 30% increase in successful matches within the first month.
- *Technologies*: React Native, Firebase, GitHub.

LEADERSHIP EXPERIENCE:

Faculty Tutor
University of Cape Town
March 2025 – October 2025
- Assisted in the delivery of practical workshops, ensuring students understood key concepts and techniques.
- Provided hands-on support and guidance to students during practicals, fostering a collaborative learning environment.
- Monitored student progress and offered constructive feedback, helping them improve their skills and understanding.

Student Front Desk Assistant (Reception)
University of Cape Town
Assistant Coordinator | Jan 2023– Dec 2024

- Managed front desk operations, ensuring a welcoming environment for visitors.
- Supervised and trained reception staff, promoting teamwork and efficient service delivery.
- Coordinated scheduling and appointment management, optimising staff and resource allocation.
- Handled inquiries and resolved issues promptly, enhancing customer satisfaction.
- Implemented procedures to improve reception workflows, contributing to overall operational efficiency.

Junior Mentor

University of Cape Town

Jan 2023– dec 2023

- Provided guidance and support to fellow students, fostering a positive and inclusive living environment.
- Organised and facilitated workshops and events to promote community engagement and personal development.
- Acted as a mediator between students and the residence administration, ensuring effective communication and addressing concerns.
- Mentored new residents in transitioning to university life, helping them navigate academic and social challenges.