






# IVIWE BOOI

## Junior Software Developer | Frontend-Focused Developer

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 [personal portfolio](#)

### PROFILE:

Software developer 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. 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
- **Tech Stack:** HTML/CSS, JavaScript, Python, Java, React, Flask, Hugging Face Transformers, PyTorch
- **Soft Skills:** Communication Skills, Collaboration, Leadership, Problem-Solving

### 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

## PERSONAL PROJECTS:

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### 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, Firebase, GitHub.

### 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.

## LEADERSHIP EXPERIENCE:

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### Faculty Tutor

#### University of Cape Town

March 2025 – Current

- 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.