Plandi Makali

makalicardoso@gmail.com   0682622669   Cape Town

Portfolio   LinkedIn   Github   Male

Education

BEng Tech Honours In Computer Engineering,
Cape Peninsula University of Technology
2024 – Present

Bachelor of Eng Tech in Computer Engineering,
Cape Peninsula University of Technology
2022 – 2023
Honours: Cum Laude | Average: 82%

Diploma of Eng Tech in Computer Engineering,
Cape Peninsula University of Technology
2020 – 2021
Average: 85%

Academic Achievements

Dean's Excellence Award 2023
Best Bachelor of Engineering Technology student in the department of electrical, electronic and computer engineering.

Dean's Excellence Awards 2021
Top achiever for Diploma in Engineering Technology in Computer Engineering in the Department of Electrical, Electronic and Computer Engineering

Top 1% Academic placement
Consistently ranked among the top 1% of students throughout BEng Tech and Diploma programs.

30 Distinctions out of 35 subjects completed from Diploma to Honours degree

Professional Experience

Backend & Intelligent Systems Development,
Koolboks Nigeria
Jan 2025 – present
- Supporting the development of **intelligent system solutions** and product features.
- Applying AI-driven solutions in real-world contexts
- Leading projects, strengthening **project management** and **strategic thinking skills**.
- Gaining hands-on experience in **system integration** and **digital infrastructure**.

Technical Skills

Software Development & Cloud
Java, JavaScript, Vue.js, C/C++, HTML, CSS, Python, PHP, Azure, MySQL, Full stack, REST APIs

Networking & Systems
CCNA 1 & 2, Network protocols, Cisco IOS XRv, OpenDaylight, REST APIs (Postman), SDN

AI and Cybersecurity
ML, Deep learning, EDA, Intrusion Detection

Tools & Productivity
Git/Github, MS Office Suite, Matlab, Tinkercad, Ubuntu

Soft Skills

- Excellent Communication and Collaboration
- Problem Solving and Analytical Thinking
- Leadership and Productivity
- Detail-Oriented and Fast Learner

Certificates

AMI Courses
- Problem Solving
- Communication
- Personal Productivity

Microsoft Office Associate

Volunteering

IEEE GLOBECOM 2024, Cape Town
- Managed front desk operations
- Logistics, Sessions monitoring
- Provided support to speakers and presenters
- Networking with students, researchers, and professionals

AfricArena 2023 Grand Summit, Cape Town
- Coordinator
- Front desk operations
- Logistics

Projects

Intrusion Detection System Using Deep Learning for Hybrid SDN ⊡

- An automated Deep Learning IDS that reduced security false alarms by **99.9%** (13,643 vs. 5).

Goodies Store ⊡

- Online shopping web app using API for inventory

Handwritten Digit Recognition (ANN) ⊡

- ANN for classifying handwritten digits based on MNIST and custom handwritten data.

School Bus Monitoring System ⊡

- RFID, GPS, and Azure-hosted DB

Solar Charge Controller ⊡

- Arduino microcontroller and energy management

ServiceMe ⊡

- Web application Where you can hire housecleaning and gardening services.

Connect ⊡

- Twitter-like social platform

Interests

- Running
- Video games, soccer and Basketball
- Tech trends on Youtube and innovation blogs
- Artificial Intelligence and Cybersecurity

Languages

English — Fluent

French — Native/Bilingual

References

Adrian Wyngaard, *Lecturer,*
Cape Peninsula University of Technology
WYNGAARDA@cput.ac.za

Ayodele Periola, *Lecturer,*
Cape Peninsula University of Technology
periolaa@cput.ac.za