



Plandi Makali

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☎ 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.

26 Distinctions out of 31 subjects completed
from Diploma through Honours

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

Projects

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.

Intrusion Detection System Using Deep Learning for Hybrid SDN (in progress)

 ✍

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

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

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