

RICHARD MABVIRAKARE

ELECTRICAL ENGINEER



CONTACT

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🌐 [richard-mabvirakare](#)

🌐 E-Portfolio

[Learn more about me, my projects and experience]

SKILLS

Programming

- Python
- JavaScript
- MATLAB, Simulink
- DlgSILENT Powerfactory

Development

- Flutter
- React
- Mobile Apps
- Full-Stack

Engineering

- Flutter
- Flutter
- Mobile Apps
- Mobile Apps

LANGUAGES

- English (Fluent)

REFERENCE

Norman Kativhu

Kudon Engineering Services |
Engineering Manager

Phone: +27 13 170 5770

Email : info@kudon.co.za



PROFILE

Final year Electrical Engineering student at UCT with expertise in power systems, control systems, and software development. Harvard CS50x certified with proven full-stack development skills. Experienced through internships at Kudon Engineering Services and proven robotics capabilities as top 10 finalist in African Rover Challenge. Strong technical skills in MATLAB/Simulink and modern web technologies, with a passion for creative problem-solving in engineering challenges.



WORK EXPERIENCE

Kudon Engineering Services

Nov 2024 - Jan 2025

Vocational Intern

- Developed full-stack mobile application for vehicle inspection automation using Flutter/Dart
- Conducted requirements analysis and UI/UX design for business process automation
- Managed complete software development lifecycle from concept to deployment

Kudon Engineering Services

June 2024 - July 2024

Vocational Intern

- Performed electrical maintenance and fuel oil burner maintenance for coal power station
- Participated in control panel design for water pump systems
- Developed project management skills and technical report writing capabilities

Cape Town University of Technology

Nov 2022

Practical Training Workshop

- Completed technology exposure training in welding, turning, CNC programming, metrology, pneumatics, and robotics
- Applied hands-on skills in basic manufacturing processes and automation systems
- Gained practical experience bridging theoretical engineering concepts with industrial applications



EDUCATION

BSc.(Eng) in Electrical Engineering

Current - 2021

University of Cape Town

Secondary Education

2020 - 2016

Queens High School