

# ANESU MUGIYA

ELECTRICAL AND COMPUTER  
ENGINEER

## CONTACT

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📍 South Africa, Cape Town

🌐 [www.anesum.com](http://www.anesum.com)

## PROFILE SUMMARY

I am an Electrical and Computer Engineering student, currently on track to graduate with Honors. My academic journey has given me a strong foundation in both hardware and software, allowing me to approach problems from multiple perspectives and design creative, efficient solutions.

## EDUCATION

2022 - PRESENT  
UNIVERSITY OF CAPE TOWN

- BSc(Eng) Electrical & Computer Engineering

2025 - 2029  
RIVERTON ACADEMY

- A'Level with 20 Points (2021)
- O'Level with 11 distinctions (2019)

## SKILLS

- Project Management
- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking
- Report Writing

## LANGUAGES

- English: Fluent
- Ndebele: Fluent
- Zulu: Intermediate
- Shona: Fluent

## WORK EXPERIENCE

University of Cape Town FEB 2025 - PRESENT  
Embedded Systems and Computer Science Tutor

- Assisted students in understanding course materials during tutorials and practical sessions.
- Guided students through hands-on exercises, ensuring practical tasks were meaningful and comprehensible.
- Evaluated and marked assignments and lab reports accurately and promptly.
- Invigilated tests, ensuring adherence to academic integrity standards.

Bulawayo City Council JAN 2025 - FEB 2025  
Electrical Engineering Intern

- Gained hands-on experience in motor wiring, soft starter programming, and traffic light maintenance/fault diagnosis.
- Configured VoIP systems, created Zimbra email accounts, and contributed to front-end web development (HTML, CSS, JavaScript).
- Strengthened technical, troubleshooting, and teamwork skills through real-world engineering applications.

Cape Peninsula University of Technology NOV 2022 - DEC 2022  
Practical Training Trainee

- Developed proficiency in basic hand skills, fitting and turning, and metrology for precision measurement.
- Gained experience in pneumatics, automation, and PLC programming for system control and efficiency.
- Acquired hands-on competence in G-code, M-code, CNC machining, and arc welding for manufacturing processes.

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## HOBBIES

- Website Development
- Authoring Novels
- Game Development
- Reading Manwha

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## REFERENCES

### DOMINIC DE MAAR

- Role: Practical Training Coordinator
- Email: [dominic.demaar@uct.ac.za](mailto:dominic.demaar@uct.ac.za)

### STEPHEN PAINE

- Role: Lecturer
- Email: [stephen.paine@uct.ac.za](mailto:stephen.paine@uct.ac.za)

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## TECHNICAL SKILLS

- G-code and M-code for Computer Numerical Control machines
  - Electrical Automation
  - Database management using SQL
  - Circuit design and analysis
  - Figma and Photoshop
  - Data Analysis and Signal processing
  - Electronics and Embedded Systems
  - Fluent in Python, C, Java and ARM Assembly
  - Networking and Communication Systems
  - Full Stack web development using django, react, tailwind.
  - Great organization and coordination skills
  - Comfortable in leadership roles
  - Ability to conduct technical research, analyze findings, and write clear reports.
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