BAFANA MARUBELELA

Johannesburg East | marubelelabafana2003@gmail.com | 068 335 8866

PROFESSIONAL PROFILE

I pursued a Bachelor of Sciences degree in Computer Science and Informatics at the University of Johannesburg (UJ) from 2022 to 2024, completing my first and second years of study. I was drawn to the field's dynamic and ever-evolving nature, particularly its focus on algorithms, programming languages, data structures, and the theoretical foundations of computation. I ultimately stopped pursuing this qualification, as I realized it wasn't the right fit for me. After taking a gap year in 2025, I began pursuing a degree in Mechanical Engineering at the Vaal University of Technology (VUT), completing my first semester over six months before having to stop due to the retraction of my funding. I remain committed to continuing my studies and applying analytical and problem-solving skills across both technical and engineering disciplines.

EDUCATION AND CERTIFICATION

National Senior Certificate

Mpontsheng Secondary School | 2021

Subjects: English, IsiZulu, Mathematics, Physical Sciences, Life Sciences, Geography, Life Orientation

BSc Information Technology in Computer Science and Informatics

University of Johannesburg | 2022 – 2024

The purpose of this degree is to develop qualified scientists who can identify, evaluate, and solve problems associated with information technology and be able to assume and demonstrate initiative and responsibility in related academic and professional contexts in South Africa as well as in the international world.

Key Modules: Computer Science, Informatics, Applied Mathematics, Calculus and Linear Algebra

Relevant Coursework: Advanced Data Structures & Algorithms, Software Engineering Principles, Web Development (Front-end and Back-end), Mobile Application Development, Database Systems (SQL and MySQL), Artificial Intelligence & Machine Learning

Diploma in Mechanical Engineering

Vaal University of Technology | 2026 – in progress

Pursuing a diploma aimed at developing practical and theoretical competence in mechanical systems design, manufacturing processes, and engineering problem-solving. The qualification focuses on preparing students for careers in industries such as manufacturing,

automotive, energy, and maintenance engineering.
Key Modules: Engineering Chemistry, Mathematics, Physics, Applied Communication Skills
Relevant Coursework: Engineering Mathematics, Engineering Science, Engineering Drawing (CAD), Mechanical Technology, Materials Science, Applied Mechanics, Thermodynamics, Manufacturing Processes.

TECHNICAL SKILLS

- **Microsoft Excel**
- **Microsoft Word**
- **Microsoft Access**
- **Visual Basic (VB)**
- **Basic understanding of Engineering Mechanics and Material Properties**
- **Problem-solving using mathematical and scientific principles**

EXPERIENCE

Tutoring Assistant

- Mpontsheng Secondary School *(2019 – 2021)*
  Assisted classmates in the Science stream with homework and assignments across Pure Mathematics, Physical Sciences, Life Sciences, and Geography. Helped peers strengthen their understanding of core concepts, contributing to improved academic performance and confidence in these subjects.).

CERTIFICATIONS AND ACHIEVEMENTS

- National Senior Certificate (NSC), UMALUSI, 2021
- Star for Life, Certificate of Completion, 2021
- Code 10 Driver's License

EXTRACURRICULAR ACTIVITIES •

- **Gamer**
  - I play games on Epic Games and PC.

INTERESTS

- Drawing / Sketching.
- Financial market bots and systems to optimise data processing.
- Coding / Programming.

- Technology and emerging engineering solutions.

REFERENCES

Available upon request.