

MR LUYOLO MAHAMBA

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<https://luyo-portfolio.netlify.app/>

CAREER OBJECTIVE

I am a creative and driven BSc student in Mathematics and Chemistry with a growing passion for UI/UX design, front-end development, and user-centered digital experiences. Currently pursuing a degree at the University of Johannesburg, I am eager to contribute to the intersection of design, technology, and financial services. My goal is to simplify complex systems through intuitive and inclusive design. I bring a strong analytical foundation, creative problem-solving abilities, and hands-on experience in front-end projects.

EDUCATION

Senior Certificate (Matric)

School: Sithukuthezi Secondary School

Bachelor of Science in Chemistry and Mathematics

University: University of Johannesburg Duration: 2023 -Expected Completion 2026 Key Modules:

- Calculus I & II (Rates of change, optimization, integrals)
- Linear Algebra (Vector spaces, matrices, and systems of equations)
- Differential Equations (Mathematical modelling and forecasting)
- Inorganic & Physical Chemistry (Critical reasoning and system analysis)
- Organic Chemistry
- Introduction to Algorithm Development (C++)
- Introduction to Data Structures (C++)

- Object-Oriented Programming (Java)
- Data Communications (Java)

CERTIFICATIONS

FNB App Academy – Certificate in Full Stack Development

Completed: July 2025

- Comprehensive training in front-end and back-end technologies
- Gained practical experience in full stack development, including responsive design, APIs, and database integration
- Focused on real-world application development and agile methodologies

PROJECTS

Bright Future High School Website

This project is a responsive, multi-section website developed to showcase Bright Future High School in Khayelitsha, Cape Town. The goal was to create an informative, user-friendly, and accessible platform for prospective students, parents, and school administrators.

Tools: HTML, CSS, JavaScript

GitHub: <https://github.com/Luyo200/High-School-website.git>

SKILLS

Mathematical & Analytical Skills

- Strong foundation in functions, calculus, and systems modelling
- Analytical problem-solving using algebraic and logical reasoning

- Confident interpreting mathematical structures and trends in data
- Solid grasp of physics concepts to support quantitative analysis

Programming & Technology

- **Languages:** Java, C++, JavaScript, HTML, CSS
- **Frameworks:** JavaFX
- **Tools:** GitHub, Eclipse, VS Code, Scene Builder, Notepad++
- **Microsoft Office:** Word, Excel, PowerPoint

Soft Skills

- Detail-oriented and reliable, thrives in teams and excels independently.
- Eager to learn and adapt quickly in dynamic environments

UX Design

Wireframing, journey mapping, persona creation, accessibility standards, design thinking

Languages

- Fluent in English, IsiZulu, and IsiXhosa

INTERESTS

- UI/UX design, accessibility, and design systems
- Front-end and mobile development
- Financial technology and digital transformation
- Clean code architecture and automation tools