

# Sello Phakoe

📍 69 Ulondolozo Street, Mailula Park, Vosloorus    ✉ U13238940@tuks.co.za    📞 071 628 5999    🔗 [in/sello-phakoe-8375b6107](https://in/sello-phakoe-8375b6107)    🐙 [github.com/SelloP28](https://github.com/SelloP28)

## PERSONAL DETAILS

**Date of Birth:** 1994-03-15  
**Languages:** English (fluent), Sesotho (Mother tongue), IsiZulu (Conversational), Afrikaans (Basic)

## EXPERIENCE

- Software Developer (Co-founder)**  
Moon Core Digital

August 2023 – March 2025, Germiston

  - Co-founded a tech start-up specializing in website development, 3D modeling, and digital marketing solutions.
  - Involved in end-to-end project development, from client consultation to deployment, delivering custom digital solutions tailored to diverse industries.
  - Managed a cross-functional team, fostering collaboration and ensuring high-quality deliverables within deadlines.
  - Engineered scalable web applications using React and Node.js, providing users with seamless experiences.
- Web Developer**  
Zosi Group

August 2023 - November 2023, Alrode

  - Collaborated on the design and development of Zosi Group’s corporate website, enhancing its functionality and user experience.
  - Implemented responsive web designs using HTML, CSS, and JavaScript, ensuring seamless performance across devices.
  - Conducted rigorous testing and debugging to ensure a secure, user-friendly platform.
- Casting Assistant**  
University of Pretoria

September 2021 - November 2021, Pretoria

  - Supported the casting process by identifying and selecting actors for the short student film Blinded Getaway
  - Contributed as both cast and crew, enhancing the film’s production quality
  - Blinded Getaway earned second place in IMY300 module, showcasing its creative and technical excellence.

## EDUCATION

- Bachelor of Science - BSc Applied Mathematics and Computer Science (In-progress)**  
University of South Africa/Universiteit van Suid-Afrika (UNISA) • Pretoria • 2028  
Relevant coursework:
  - Differential Equations (APM2611)
  - Applied Dynamical Systems (APM2614)
  - Multivariable Calculus (MAT2615)
  - Discrete Mathematics (MAT2612)
  - Applied Linear Algebra (APM1513)
- Bachelor of Science - BSc in Physics (Incomplete)**  
Minor in Applied Mathematics • University of Pretoria • Pretoria • 2021
  - Completed coursework in advanced mathematics, programming, and physics, demonstrating strong analytical and problem-solving skills.
  - Achieved distinction in Mathematical Modeling (WTW152) with a 76% pass.Relevant modules passed:
  - Numerical Analysis (WTW123)
  - Mathematical Modeling (WTW152)
  - Imperative Programming (COS132)
  - Waves, Thermodynamics & Modern Physics (PHY255).

### Bachelor of Science (Incomplete) - BSc in Physics

- North West University (Potchefstroom Campus) • Potchefstroom • 2018
  - Transferred for a year
  - Achieved distinction in INTRODUCTORY ALGEBRA & CALCULUS (MTHS111) with a 76% pass.

#### Relevant modules passed:

- STRUCTURED PROGRAMMING (CMPG121)
- INTRODUCTORY ALGEBRA & CALCULUS (MTHS111)
- BASIC PHYSICS II (NPHY121)
- INTRODUCTORY INORGANIC & PHYSICAL CHEMISTRY (NCHE111)

### N3 & N4: Electrical Engineering (Light Current)

Damelin - Boksburg Campus • Boksburg • 2013

#### Subjects Taken:

- |                       |                          |
|-----------------------|--------------------------|
| • Electrotechnics     | - Industrial Electronics |
| • Engineering Science | - Mathematics            |

### Matric

Germiston High School • Germiston • 2012

#### Subjects Taken:

- |                         |                                     |
|-------------------------|-------------------------------------|
| • English Home Language | Afrikaans First Additional Language |
| • Mathematics           | Physical Sciences                   |
| • Mechanical Technology | Information Technology              |
| • Life Orientation      |                                     |

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## CERTIFICATIONS

### Introduction to Machine Learning

Kaggle • 2025

- Introduction to Machine Learning online course.

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## COURSEWORK

### Introduction to Probability & Statistics - MIT-18.05

MIT OpenCourseWare • 2025 • Probability & Statistics

### Introduction to Algorithms - MIT-6.006

MIT OpenCourseWare • 2025 • Algorithms

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## SKILLS

**Programming Languages:** Python, C++, C#, R

**Tech Stack:** Node.js, Django, Kaggle (Machine Learning), Git/GitHub

**Software:** Microsoft Office, LibreOffice, RStudio, VS Code, Google Colab, Jupyter Notebooks, LaTeX

**Math:** Probability & Statistics, Calculus, Linear Algebra, Applied Mathematics, Differential Equations

**Soft Skills:** Teamwork, Communication

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