

# Ntandoyabalele Mngomezulu

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## PROFFESIONAL SUMMARY

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I am a driven Computer Science student with a passion for cybersecurity, programming, and innovative technologies. I am proficient in web development and dedicated to enhancing my skills through hands-on projects in encryption and network security. With a strong foundation in problem-solving and a curiosity for tackling complex challenges, I aim to contribute meaningfully to the tech industry and stay at the forefront of technological advancements.

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## EXPERIENCE

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**Prodigy** | Full-Stack Internship

Remote | **09/2024 - 10/2024**

- **Task:** I implemented full CRUD functionality in a web-based employee management system using React and Spring Boot.
- **Task:** I integrated authentication and secure login features, allowing user access via username or email.

**Personal Projects** (Prodigy Tasks)

- **Task:** I developed a Python-based Caesar Cipher tool for encrypting and decrypting messages as a fun side project.
- **Task:** I created an image encryption tool using pixel manipulation techniques in Python, driven by an interest in cryptography.

**Healthy Future South Africa (HFSA)** | Tutor and Mentor

University of Cape Town | **04/2024 - Present**

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## SKILLS

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**Software Tools:** I am proficient in various programming languages and frameworks for effective software development.

**Cybersecurity:** I am knowledgeable in Network Security, Cryptography, and Secure Authentication Mechanisms.

**Cloud Computing & DevOps:** I am experienced with Cloud Platforms (AWS, Azure) and implementing CI/CD (Continuous Integration/Continuous Deployment) practices.

**Problem-Solving & Collaboration:** I have strong debugging and troubleshooting abilities, with a focus on parallelism and multithreading. Excellent written and verbal communication skills, fostering effective teamwork and collaboration.

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## INTRESTS AND ACHIEVEMENTS

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- **Cybersecurity & Software Development:** I like exploring encryption techniques, ethical hacking, and web development projects.

- **Cycling:** I enjoy long rides to stay active and clear my mind.
- **Streaming & Movies:** I relax with Netflix series and films.
- **Technology & Innovation:** I am very much invested in the latest trends in tech and gadgets.
  
- **Outstanding Performance Certificate:** I was recognized for academic excellence in high school.
- **AWS Cloud Computing Certificate:** I gained knowledge in cloud technologies and services.
- **Leadership Certificate:** I was awarded for contributions to the residence subcommittee, demonstrating leadership and teamwork skills.

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## EDUCATION

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University of Cape Town | BSc. Computer Science and Business Computing      WC | 2021 – Present

Esangweni Secondary School      Cape Town, WC | 01/2019 – 12/2020

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## REFERENCES

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**Dr Patti** from UCT  
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