

ONKABETSE MONAMODI

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Educational Background

North-West University

2023 - 2025

Qualification: Bachelor of Science with Computer Science and Mathematics

- Consistently maintained an average of above 75% for my degree thus far.
- Courses:** Structured Programming, Object Oriented Programming, Data Structures and Algorithms, Software Engineering, Multivariable Calculus, Linear Algebra.

Activities and Associations:

- Spelling Group – Faculty of Natural and Agricultural Sciences
- Golden Key International Honour Society (Top 15% in my field of study)

Maruapula Secondary School

2018 – 2022

Qualification: National Senior Certificate (NSC) - Grade 12

- Achieved an 89.67% average in the NSC Examinations with 7 distinctions
- Valedictorian at my high school and obtained first place in all the subjects I took
- Ranked number 1 out of more than 11 000 learners in Ramotshere-Moiloa Sub-district
- Ranked 6th from more than 50 000 learners in Ngaka-Modiri Molema District
- Invited to the North-West Province Matric Results Announcement Ceremony as one of the top achievers from the 2022 cohort

Activities and Associations:

- Representative Council of Learners for two separate years, equipping me with vital leadership, communication and teamwork skills
- Participated in athletics competitions, particularly in sprinting(100m)
- Public Speaking and Debate

Experience

Supplemental Instructor

August 2024 - Present

Employed by: Center for Teaching and Learning at the North-West University

I am currently a supplemental instructor (SI) for the module APPM-122(Mathematical Modelling & Vector Algebra) offered by the North-West University. My responsibilities include:

- Facilitating SI sessions, guiding students' discussions and problem solving.
- Helping students master the module content and improve their grades.
- Promoting independent learning for students to lessen their dependence on lecturers.

As an SI leader, I model the learning processes necessary for content mastery and I function as a model student, not an authority figure.

Projects

Personal Website

2024

- Status:** Complete
- Programming Languages and Technologies:** HTML, CSS, JavaScript
- I developed this website to document some of the most important things in my life while also learning skills to become an exceptional software developer.

BeatGuess

2024

- Description:** Developing a real-time music guessing game app where users guess song names within 10 seconds and compete against others.
- Status:** In progress
- User authentication | Music Playback | Scoring and feedback | Multiplayer functionality | Leaderboard | User interface
- Technologies:** Python, Flask, React Native, Firebase, Spotify API
- This project showcases my diverse skills and reflects my passion for both software development and music.

EduExcel

2024

- **Description:** An online quiz platform that allows users to take quizzes on a range of topics. This platform provides an analytic overview of the user's performance on quizzes they have taken and acts as a metric of gauging one's understanding of certain concepts.
- **Status:** In progress
- User authentication | Scoring and feedback | User interface | Data analytics
- **Technologies:** HTML, CSS, JavaScript, React.js, Node.js, PostgreSQL, Firebase Authentication.
- This is the first team project I am working on, meaning I am refining both my technical and social skills.

Skills and Qualities

Skills: Teamwork, leadership, communication, creative, adaptability, technical, maths, scientific, problem-solving, analytical skills, coding, Python, C++, Java, JavaScript, HTML, CSS, MATLAB.

Qualities: Multi-talented, intelligent, driven, focused, confident, passionate, leader.

Relevant Links and References

LinkedIn: <https://www.linkedin.com/in/onkabetse-monamodi-a450542b3/>

GitHub: <https://github.com/Duncan413>

Reference 1: Gopolang Mokotedi (Principal) | 083-882-8320 | maruapulasecondary@gmail.com

Reference 2: Thabo Itumeleng (Lecturer) | 072-603-4692 | itumelengthabo18@gmail.com