

Topo Lefika Rapula

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EDUCATION

University of Sunderland

BSc (Hons) Computer Systems Engineering, Computer Engineering

Gaborone, Botswana

Graduation Date: Jun 2025

WORK EXPERIENCE

FNB Botswana

Application Developer

Gaborone, Botswana

Feb 2024 - Jul 2024

- Developed Edge AI models for banking innovation under senior mentorship
- Built cybersecurity tools to track and manage system access permissions
- Collaborated on front-end development for internal banking applications using React.js & Angular
- Conducted technical testing on new features and system updates

SwahibaTech

Software Engineer

Gaborone, Botswana

Jan 2024 - Feb 2024

- Managed and delivered mobile applications ensuring seamless user experiences
- Developed responsive, performance-optimized websites across multiple devices
- Enhanced internal systems and app features to meet evolving business requirement

SKILLS

Languages: Python, Java, JavaScript, TypeScript, C#, SQL

Frontend: React, React Native, Angular, Flutter, Next.js, JavaScript

Backend: Java, Node.js, Spring Boot, Express.js, REST APIs, GraphQL, SOAP

AI/ML: TensorFlow, PyTorch, Deep Learning, Computer Vision, Natural Language Processing

Databases: MongoDB, Firebase, MySQL, PostgreSQL

Tools: Git, Docker, AWS, Postman,

PROJECTS

Bus Booking System

Fullstack Developer

- Built a fullscale Bus booking system for a Bus company that thier clients can book for the bus and shuttles through the webapp
- The system allows for intergration to send the data to Quickbooks for accounting, able to allow agents and companys employees to also book and apply discounts for clients
- Try it at : <https://reecabus.netlify.app/>

Mananeoapuso

Backend Developer

- Built the WebApp platform that will be govement adopted in partnership with LEA & Ceda where citizens would be able to apply for Govement schemes online instead of physical at the location.
- Built a WhatsApp intergration of the feature so users can even use whatsapp to apply and track progress
- Try it at : <https://www.mananeoapuso.com/>

Botswana National Parks

Fullstack Developer

- The WebApp that allows troursits to book campsites and dayvists on the site
- This is as the govement looses money through gate fees, as some of it doesnt make it fully to the govement pockets.
- The system Serves tourists, tour operators, and mobile safaris with unified payment processing
- Try it at : <https://bnp-tan.vercel.app/>

ACHIEVEMENT

FNB Hackathon 2025 Winner

Gaborone, Botswana

1st Place

Jun 2025 - Jun 2025

- Developed peer-to-peer lending platform with geo-location features and auto-debit enforcement
- The Feature allowed the users to lend each other money with or without interest with the bank getting 2% interest if the lender added interest on the loan and on the date agreed to pay back the system would auto debit, to pay back the lender if the lender had no money they would over draft as long as the lender is paid

Imaging Brats Challenge 2025

Daejeon, South Korea

Our paper got selected to be presented

Sep 2025 - Sep 2025

- Built AI model for brain tumor segmentation from MRI scans using Deep Learning
- Achieved 92% accuracy in medical image analysis outperforming baseline models on low resources
- Research Paper was presented at MICCAI 2025 conference in Daejeon, South Korea

BOSCITA Hackathon

Ghanzi, Botswana

1st Place

Jun 2019 - Jun 2019

- Won 1st place nationally in System Design category as secondary school student
- Developed Java-based system that automated attendance tracking for 500+ students using OpenCV, and Machine learning through live feed

Data Protection Certified

Gaborone, Botswana

Botswana Accountancy College

Mar 2025 - Mar 2025

- Certified in Data protection by order of the academic board
- Covering GDPR principles, data security protocols, and compliance frameworks

REFERENCES

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