CURRICULUM VITAE (CV)

FOR

THABANG RAKENG

PERSONAL DETAILS

GitHub   :https://github.com/thabang56R (**Please refer for more projects**)

Email   : thabang56@hotmail.com

Phone   : 064 917 3328 / 072 935 2936 / 066 391 3407

Address   : No. 461 Republic Road , Ebony-Park Midrand 1632

Gender   : Male

Nationality   : South African

PROFESSIONAL SUMMARY

Motivated and detail-oriented Agentic AI Engineer, Devops professional and Full Stack Development with a strong background in web and software development using the MERN stack (MongoDB, Express.js, React.js, Node.js) as well as Building AI Agent tools with LLM

Orchestrations deployed in Cloud. Adapt at designing scalable applications, building RESTful APIs, and delivering responsive user interfaces.

Passionate about solving real-world problems through technology, with proven experience in developing and deploying full-stack applications. A fast and enthusiast learner committed to continuous growth in modern development, AI DevOps, and cloud technologies and open to new challenges.

TECKNICAL SKILLS

- Frontend: React.js, HTML5, CSS3, JavaScript (ES6+), Bootstrap
- Backend: Node.js, Express.js, RESTful APIs
- Database: MongoDB, Mongoose
- Tools & Platforms: Git, GitHub, Postman, Cloudinary and AI
- Additional Skills: Responsive UI design, authentication (JWT), API integration, deployment, version control
- DevOps and AWS DevOps Engineering skills Training
- Agentic AI Engineering skills Training

PROJECTS

- **Job Recruitment App (MERN Stack**)

A full-stack recruitment platform connecting employers and job seekers. Employers can post and manage job listings, while job seekers can browse, apply, and track applications through an intuitive dashboard.

Technologies: MongoDB, Express.js, React.js, Node.js, JWT Authentication, Cloudinary

- **Eatzer Delivery App (MERN Stack)**

A modern food delivery web app allowing users to browse restaurants, place orders, and track delivery status in real time.

Technologies: React.js, Node.js, Express.js, MongoDB, RESTful APIs

- **Music App (MERN Stack)**

A dynamic music streaming app that lets users play, manage, and explore songs with playlist management and authentication features.

Technologies: React.js, Node.js, MongoDB, Express.js, Cloud Storage Integration

- **Agentic AI Feedback Analysis System**

Developed an autonomous AI system capable of analyzing user feedback and performing automated actions using LangChain agents and OpenAI GPT models.

- **Agentic AI powered HR Assistant Using RAG and LangChain**

An autonomous HR system that uses Reasoning + Retrieval-Augmented Generation (RAG) and langchain to perform H-R related tasks like: Answering employee queries , assisting with onboarding or leave management among other things.

Technologies: LangChain, OpenAI API, Python, Streamlit etc.

- **AI Data Analyst tool using Phi Data**

An AI Data Analyst tool build using Phi Data is an intelligent analytics assistant that helps users explore , analyze , and visualize data using natural language models and LLM frameworks.

Technologies: LlamaIndex , LLM ,Python libraries etc

EDUCATION

Bachelor of Science (BSC) in Computer Science and Mathematics

University of Limpopo — Completed 2024

Certifications & Achievements

- Agentic AI Engineer – Edureka Masters Program
- Full Stack Development Internship - Edureka
- DevOps and AWS DevOps Engineering - Edureka
- React Native NQF 5 Certification - IT Varsity
- Winner, 2023 Limpopo Varsity Hackathon – hosted by TUT and mLab (Polokwane)

References

Available upon request

University of Limpopo

Private Bag X1106
SOVENGA
0727

Tel: (015) 268 2123/30
Email:
studentrecords@ul.ac.za

Transcript of Academic Record

Student Name:	**RAKENG THABANG**	Student Number:	**201910990**
Date of Birth:	**05-DEC-1993**	Identity Number:	**9312055382089**

Finalized Results:

Year	Qualification	National Level	Subject/Module		%	Remarks
2019	**BSCE01**	**7**	**SCSC000**	**COMPUTING CONCEPTS AND ALGORITHMS**	**71**	**PASS**
		7	**SHEL000**	**HEALTH EDUCATION AND LIFE COMPETENCIES I**	**62**	**PASS**
		7	**SMTH000**	**PRE-CALCULUS AND DIFFERENTIAL CALCULUS**	**58**	**PASS**
		7	**SPHS000**	**INTRODUCTION TO GENERAL PHYSICS IA**	**48**	**FAIL: SUPPL GRANTED-ALL PAPERS**
		7	**SPHS000**	**INTRODUCTION TO GENERAL PHYSICS IA**	**50**	**PASS RE-EXAM**
		7	**SSTS000**	**DESCRIPTIVE STATISTICS**	**71**	**PASS**
2020	**BSCE01**	**7**	**SCOB000**	**DATA ORGANIZATION, AI**	**64**	**PASS**
		7	**SHEB000**	**HEALTH EDUCATION AND LIFE COMPETENCIES II**	**65**	**PASS**
		7	**SMTB000**	**INTRODUCTORY ALGEBRA AND INTEGRAL CALCULUS**	**72**	**PASS**
		7	**SPHB000**	**INTRODUCTION TO GENERAL PHYSICS IB**	**71**	**PASS**
		7	**SSTB000**	**INTRODUCTION TO STATISTICAL INFERENCE**	**66**	**PASS**
2021	**BSCE01**	**7**	**SCOA021**	**DATA STRUCTURES**	**78**	**PASS DISTINCTION**
		7	**SCOA022**	**COMPUTER ARCHITECTURE**	**68**	**PASS**
		7	**SMTA021**	**ADVANCED CALCULUS**	**82**	**PASS DISTINCTION**
		7	**SMTA022**	**LINEAR ALGEBRA**	**64**	**PASS**
		7	**SSTA021**	**THEORY OF DISTRIBUTIONS**	**64**	**PASS**
		7	**SSTA022**	**STATISTICAL INFERENCE**	**68**	**PASS**
2022	**BSCE01**	**7**	**SCOA031**	**INTRODUCTION TO DATABASE SYSTEMS**	**47**	**FAIL**
		7	**SCOA032**	**ARTIFICIAL INTELLIGENCE**	**47**	**FAIL**
		7	**SCOB031**	**OPERATING SYSTEMS**	**42**	**FAIL**
		7	**SCOB032**	**COMPUTER NETWORKS**	**49**	**FAIL**
		7	**SMTA031**	**MATHEMATICAL ANALYSIS I**	**55**	**PASS**
		7	**SMTA032**	**COMPLEX ANALYSIS**	**48**	**FAIL**
		7	**SMTB031**	**ABSTRACT ALGEBRA**	**42**	**FAIL**
		7	**SMTB032**	**MATHEMATICAL ANALYSIS II**	**48**	**FAIL**
2023	**BSCE01**	**7**	**SCOA031**	**INTRODUCTION TO DATABASE SYSTEMS**	**63**	**PASS**
		7	**SCOA032**	**ARTIFICIAL INTELLIGENCE**	**50**	**PASS**
		7	**SCOB031**	**OPERATING SYSTEMS**	**51**	**PASS**
		7	**SCOB032**	**COMPUTER NETWORKS**	**62**	**PASS**
		7	**SMTA032**	**COMPLEX ANALYSIS**	**51**	**PASS**
		7	**SMTB031**	**ABSTRACT ALGEBRA**	**59**	**PASS**
		7	**SMTB032**	**MATHEMATICAL ANALYSIS II**	**48**	**FAIL: SPECIAL EXAM GRANTED**
		7	**SMTB032**	**MATHEMATICAL ANALYSIS II**	**49**	**FAIL SPECIAL EXAM**
2024	**BSCE01**	**7**	**SMTB032**	**MATHEMATICAL ANALYSIS II**	**53**	**PASS**

The above mentioned student formally satisfied all the requirements for the **BACHELOR OF SCIENCE IN MATHEMATICAL SCIENCE ECP** as at **12-DEC-2024** and was officially awarded/conferred to him/her on **11-APR-2025**.

CERTIFICATE OF CONDUCT

It is hereby certified that the student is/was registered for the abovementioned year/years at the University and that his/her conduct is/was satisfactory. In respect of students who are enrolled, this declaration is valid as at the date of issue.**This document is issued without omission or alteration in any form.**

UNIVERSITY OF LIMPOPO
TURFLOOP CAMPUS
CERTIFICATION & STUDENT RECORDS
April 16, 2025
PRIVATE BAG X1106
SOVENGA 0727
Electronic stamp

_____
University Registrar

Finding solutions for Africa

edureka! @ **Veranda** ENTERPRISE

e!

CERTIFICATE

OF COMPLETION

Thabang Rakeng

Is certified by Edureka! as

Agentic AI Engineer

Certificate ID : BKB3QPF38

Date : 9th Nov 2025

CEO, Edureka :

The Certificate ID can be verified at www.edureka.co/verify to check the authenticity of this certificate

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FULL STACK
WEB DEVELOPMENT INTERNSHIP PROGRAM

This is to certify that

Thabang Rakeng

Has successfully completed the
Full-Stack Web Development Internship Program
offered by Edureka.

22nd Sep 2025

Date

83V93DSBF

Certificate ID

Vineet Chaturvedi (CEO, Edureka)

CONGRATULATIONS

This Certificate of Completion is to certify that the following student has completed the MTN Business App Academy's intermediate course, Mobile Apps Development with React Native, NQF Level 5 (48872) and is awarded to:

thabang rakeng

MTN Business App Academy

MTN Business Chief Enterprise Officer,
Wanda Matandela
MTN Business

7 December 2022

DATE

ITvarsity

CERTIFICATE

OF COMPLETION

Thabang Rakeng

Is certified by Edureka! as

Linux Fundamentals Certification Training

with Grade A

Certificate ID : **LDBETZQK**

Date : **10th Oct 2025**

CEO, Edureka :

CERTIFICATE

OF COMPLETION

Thabang Rakeng

Is certified by Edureka! as

AWS Certified DevOps Engineer Training

Certificate ID : **T1GG92E4**

Date : **6th Nov 2025**

CEO, Edureka :

edureka! @ **Veranda** ENTERPRISE

CERTIFICATE

OF COMPLETION

Thabang Rakeng

Is certified by Edureka! as

DevOps Engineer

with Grade A

Certificate ID : **5EEAF78TU**

Date : **9th Nov 2025**

CEO, Edureka :

Tshwane University of Technology

We empower people

LIMPOPO VARSITY HACKATHON

In accordance with the guidelines of the

Faculty of Information and Communication Technology

It is hereby declared that

Thabang Rakeng
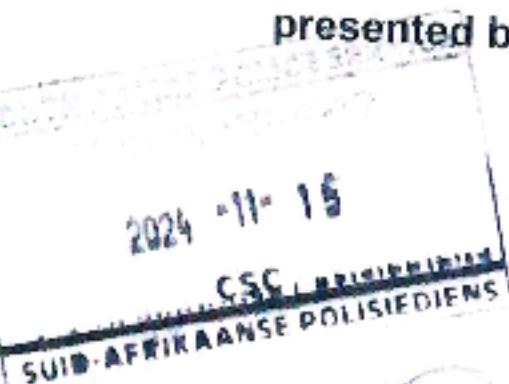
has met all the criteria for receiving a Certificate of Ethical Hacking for

Participation in the 2nd
Limpopo Varsity Hackathon-LVH
5 - 7 October 2023
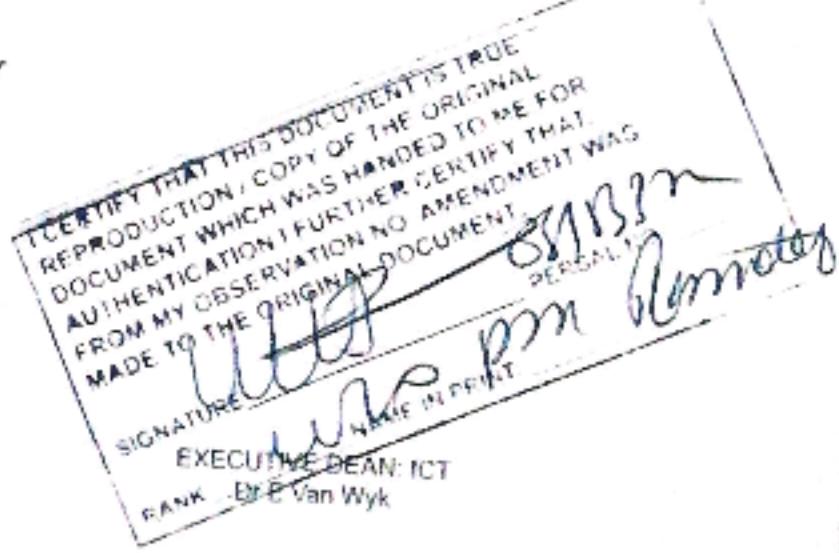
presented by TUT University Hackathon Series-UHS

for the Year

2023

CHIEF ORGANISER
Dr Michael Moeti

EXECUTIVE DEAN: ICT
Dr E Van Wyk

Date

REPUBLIC OF SOUTH AFRICA

National Senior Certificate

Awarded to
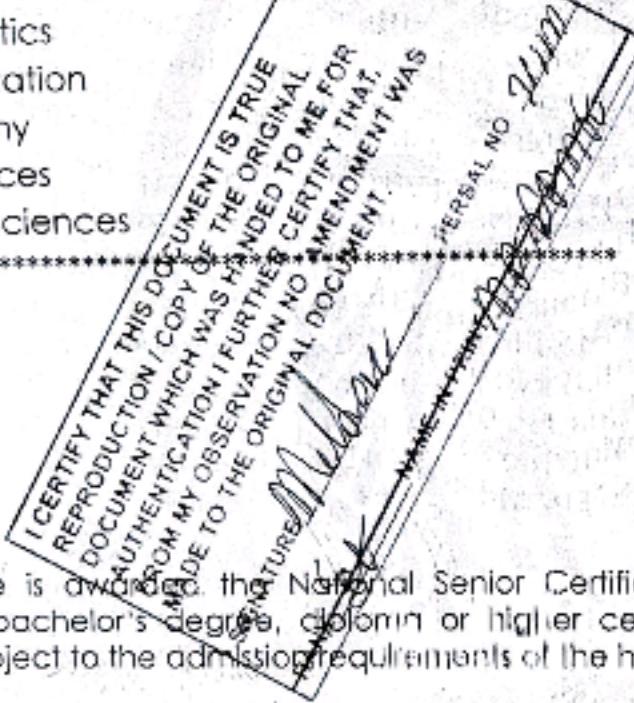
THABANG RAKENG

Identify number 9312055382089

Exam number 7122562016311
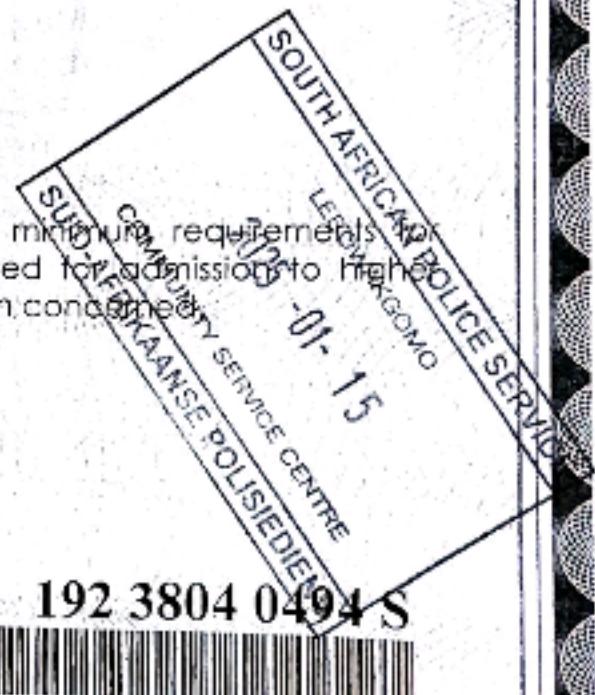
Subject	%	Achievement level	Date
Sepedi Home Language	74	6	Nov 11
English First Additional Language	53	4	Nov 11
Mathematics	57	4	Nov 12
Life Orientation	70	6	Nov 11
Geography	46	3	Nov 12
Life Sciences	42	3	Nov 11
Physical Sciences	63	5	Nov 12
***	***	*	

This candidate is awarded the National Senior Certificate and has met the minimum requirements for admission to bachelor's degree, diploma or higher certificate study as gazetted for admission to higher education, subject to the admission requirements of the higher education institution concerned.

With effect from December 2012

M. S. Rakometsi

Chief Executive Officer

192 3804 0494 S

This certificate is issued without alterations or erasure of any kind

UMALUSI

Council for Quality Assurance in General and Further Education and Training South Africa

UNB47988

GEREGISTREERDE WOON- EN POSADRES

1. Bewaar die bewys van u GEREGISTREERDE WOON- EN POSADRES in hierdie sakkie.

2. Indien u van adres verander het, of indien besonderhede van u huidige adres, bv. straatnaam en/of nommer, ens. verander het, moet die vorm KENNISGEWING VAN ADRESVERANDERING, wat in die sakke agter in die identiteitsdokument is, gebruik word om die verandering aan te meld en moet dit ingedien word by of gepos word aan die naaste streek- distrikkantoor van die DEPARTEMENT VAN BINNELANDSE SAKE.

REGISTERED RESIDENTIAL AND POSTAL ADDRESS.

1. Keep the proof of your REGISTERED RESIDENTIAL AND POSTAL ADDRESS in this pocket.

2. If you have changed your address, or if particulars of your present address, e.g. name of street and/or street number, etc. have been changed, the NOTICE OF CHANGE OF ADDRESS form in the pocket at the back of the identity document must be used to report the change and it must be handed in at or posted to the nearest regional/district office of the DEPARTMENT OF HOME AFFAIRS.

1

I.D.No. 931205 5382 08 9

S.A.BURGER/S.A.CITIZEN

VAN/SURNAME
RAKENG

VOORNAME/FORENAMES
THABANG

GEBOORTEDISTRIK OF LAND/
DISTRICT OR COUNTRY OF BIRTH

SOUTH AFRICA

GEBOORTEDATUM/
DATE OF BIRTH   1993-12-05

DATUM UITGEREIK
DATE ISSUED

2010-04-29

UITGEREIK OP GESAG VAN DIE
DIREKTEUR-GENERAAL:
BINNELANDSE SAKE

ISSUED BY AUTHORITY OF THE
DIRECTOR-GENERAL:
HOME AFFAIRS