Thabang Dikotope

✉ Thabangdikotope624@gmail.com in linkedin.com/in/thabang-dikotope-135437247 ○ Drey780822 ☏ +27797692900

452 Sisulu St, Pretoria Central, Pretoria, 0002

Summary

Dynamic and results-oriented Computer Science student with a solid foundation in software engineering, Software programming, Mobile Device programming, Database Design and System Analysis. Equipped with strong communication, leadership and a collaborative mindset. Seeking an opportunity to apply my technical skills in a professional environment, contribute to meaningful projects, and further develop my expertise in software development. I thrive in team environments where innovation is paramount

Education

Tshwane University of Technology
Expected Graduation: May 2026
Diploma in Computer Science | Focus: Software Development | IT Technician   *Witbank, eMalahleni Campus*
  - NQF Level 6 | **Credits Completed: 300 out of 360**

Experience

Tshwane University of Technology
Jan 2022 – June 12th
Software Programmer & Database Designer   *Witbank, eMalahleni Campus*
  - Involved in designing, developing, and testing software applications
  - Developed using Java and PHP through coursework and project assignments
  - Designed database schemas for my academic and personal projects

Mobile Device Programmer
  - Worked with mobile development environments (Android Studio) and languages (Kotlin for Android)
  - Gained exposure in developing basic mobile apps

MLAB
March – May 25th
Front-end development intern   *Witbank, eMalahleni Campus*
  - Involved in team developing basic event management system
  - Deployed on GitHub using Git, for collaborators to contribute assigned tasks by Mlab

Local Restaurant (Rocomamas)
Oct 2024 – Feb 2025
Waiter / Part-Time Assistant   *Witbank, Highveldmall*
  - Delivered customer service in a fast-paced environment, handling 50+ clients daily with professionalism and speed
  - Trained as a waiter and signed a fixed-term contract after demonstrating reliability and adaptability
  - Balanced part-time job with academic studies, showcasing time management and dedication

Leadership Experience

Software Project Leader (Academic) | *Website*
Feb 2025 – May 2025
- Lead a team in developing a gym management system using modern software development methodologies
- Conducted system analysis and design, converting user requirements into functional specifications and UI wireframes
- Overseeing project lifecycle from planning to deployment, ensuring timely delivery and maintaining team collaboration
- Responsible for source control (Git), documentation, and code review within the academic team setting

Computer Science Mentor/Tutor | Principles of Programming
Jun 2023 – Present
- Tutored first and second-year students in basic Computer Science modules, including Programming Fundamentals, Database principles and Web computing
- Assisted students in practical labs, and explained concepts in Java, SQL, and basic web development languages

Projects

Gym management System | *Website*   PHP | HTML | CSS | JS | MySQL
- Developed and deployed a full-stack web application that enhanced user-friendly front-end for members and a robust back end for admins to manage operations
- Utilized **SQLITE** for data storage, **PHP** as backend, and **Bootstrap (HTML, CSS & JS)** for the user interface
- Hosted it on GitHub pages and on the web for using **InfinityFree** server

Lifestyle Preferences Survey: Tshimologong Internship Practical Test | *Website*   HTML | CSS | JS | SQLITE
- Developed and Deployed web-based survey application that collects user preferences, stores responses, analyzes data, and displays results
- Deployed the project on GitHub Pages for accessibility.
- Used a serverless setup, HTML, CSS, JavaScript, and SQLite via WebAssembly (sql.js) for client-side data storage, eliminating the need for a backend server

Event Management system | *Website*   HTML | CSS | JS
- Contributed to developing web-based event management system, used Figma to design UI then developed it
- Pushed the project to GitHub for collaborators to contribute their assigned tasks

Technical Skills

Languages: Java, PHP, Python, JavaScript, HTML, CSS

Frameworks: JEE(Java Enterprise Edition), Flask, Django and RESTful APIs(Twilio, Clickatell)

UI/UX & Front-End: Wireframing, Responsive Web Design, Bootstrap (if applicable), Form Design

Database Management: MySQL, Oracle SQL, PL/SQL, JDBC, Database Design, SQL Developer, PHPMyAdmin

Tools & Technologies: Git, GitHub, NetBeans, Visual Studio Code, Android Studio, XAMPP

Thabang Dikotope

452 Sisulu St, Pretoria Central, Pretoria, 0002

Thabangdikotope624@gmail.com

+27 79 769 2900

Thursday, 24 April 2025

Dear Hiring Manager,

I hope this message finds you well.

I am writing to express my sincere interest in securing Work Integrated Learning (WIL) within your esteemed organization. I am currently completing my Diploma in Computer Science at Tshwane University of Technology, and I am eager to gain real-world experience that will allow me to apply my knowledge while learning from industry professionals.

My journey into computer science began in 2022, driven by a strong passion for technology and problem-solving. Over the years, I have developed skills in software development, web applications, and database systems through both academic work and personal projects. Despite facing personal and financial challenges, I've remained focused, resilient, and determined to grow within the field.

Beyond academics, I value growth, integrity, and consistency. I have served in leadership roles on campus and am always looking for ways to contribute meaningfully to the communities I am part of.

I am excited about the opportunity to contribute to your organization's goals while gaining the hands-on experience necessary for my development as a professional software developer. I am particularly inspired by companies that are passionate about innovation, mentorship, and positive social impact.

Thank you for considering my application. Please find attached a combined PDF document containing my CV, WIL letter, academic documents, and supporting certificates. I look forward to the possibility of contributing to your team and learning from your expertise.

Sincerely,
T Dikotope

Faculty of Information and Communication Technology

Department: Computer Science   **20 February 2025**

To Whom It May Concern:

Re: <u>INDUSTRY EXPOSURE</u>

This serves to inform you that the bearer of this letter is a student in the Department of Computer Science, busy with National Diploma: Computer Science. The major fields of study in this diploma are:

Software Programming, Mobile Device Programming, Database Design and System Analysis.

For the experiential training to add value to the student, we suggest that the students be assigned tasks and responsibilities that are aligned to his/her field of study. It is to be noted that the above mentioned fields of studies are only a guideline in this regard, any other Information Technology (IT) oriented projects and task may also be accepted. The duration of the industry exposure should be a minimum of **6 months**.

Student Information:
STUDENT NAME: Thabang Dikotope
STUDENT NUMBER: 223174256

Your support in this regard is highly appreciated. For further clarification, please do not hesitate to contact us.

Kind Regards

Mr. Jabulani Makhubela
Lecturer, WIL Coordinator: Computer Science

Emalahleni Campus

Contact No: +2712 382 3174/+2767 179 3780

Email: makhubelajk@tut.ac.za

Tshwane University of Technology

We empower people

REPUBLIC OF SOUTH AFRICA
NATIONAL IDENTITY CARD

Surname:
DIKOTOPE
Names:
THABANG
Sex:
M
Nationality:
RSA
Identity Number:
0301025383086
Date of Birth:
02 JAN 2003
Country of Birth:
RSA
Status:
CITIZEN

Signature:

T Dikotope

I CERTIFY THAT THIS DOCUMENT IS A TRUE REPRODUCTION (COPY) OF THE ORIGINAL DOCUMENT WHICH WAS HANDED TO ME FOR AUTHENTICATION. I FURTHER CERTIFY THAT, FROM MY OBSERVATIONS AN AMENDMENT OR A CHANGE WAS NOT MADE TO THE ORIGINAL DOCUMENT.

....
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NAME IN PRINT: ....

SUID-AFRIKAANSE POLISIEDIENS
STASIE BEVELVOERDER
STATION COMMANDER

2025 -02- 0 5

WITBANK

SOUTH AFRICAN POLICE SERVICE

Conditions:

This card has been issued by the Department of Home Affairs in terms of the Identification Act, Act 68 of 1997

If found please return to the Department of Home Affairs
For enquiry or verification purposes contact 0800 60 11 90

Date of Issue:
06 FEB 2019

RSA

109877622

REPUBLIC OF SOUTH AFRICA

National Senior Certificate

Awarded to

THABANG DIKOTOPE

Identity number 0301025383086

Exam number 7211032060006

Subject	%	Achievement level
Sepedi Home Language	63	5
English First Additional Language	55	4
Mathematics	54	4
Life Orientation	44	3
Geography	51	4
Life Sciences	49	3
Physical Sciences	47	3
**	***	*

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 2021

M.S. Rakometsi

Chief Executive Officer

This certificate is issued without alterations or erasure of any kind

220 2190 8851 S

UMALUSI

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

2736589

(See reverse for more information)

Tshwane University of Technology
We empower people

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                              Academic Transcript

Issuing Institution : Tshwane University of Technology PRODI41
Name          : DIKOTOPE THABANG
Student Number : 223174256
Identity Number : 0301025383086          Date Of Birth : 02-JAN-2003

Year : 2022 DIPLOMA IN COMPUTER SCIENCE
National Qualification ID : 109017     Credit : 360
National Level : Advanced Certificate, Diploma (06)
Designator : N/A
Qualifier : COMPUTER SCIENCE
Annual Result :
  YEAR (JAN-DEC)                                       National Level   National Credit
    COMMUNICATION FOR ACADEMIC PURPOSES   52 PASS           05              10.00
    COMPUTING FUNDAMENTALS A              72 PASS           05              15.00
    COMPUTATIONAL MATHEMATICS             64 PASS           05              15.00
    INFORMATION LITERACY                  65 PASS           05               3.00
    LIFE SKILLS                           67 PASS           05               2.00
    PRINCIPLES OF PROGRAMMING A           56 PASS           05              15.00


Year : 2023 DIPLOMA IN COMPUTER SCIENCE
National Qualification ID : 109017     Credit : 360
National Level : Advanced Certificate, Diploma (06)
Designator : NOT APPLICABLE
Qualifier : COMPUTER SCIENCE
Annual Result :
  FIRST SEMESTER (JAN-JUN)                             National Level   National Credit
    COMPUTING FUNDAMENTALS B              78 PASS WITH DISTINCTION  05     15.00
    WEB COMPUTING                         70 PASS           05              15.00
  SECOND SEMESTER (JUL-DEC)                            National Level   National Credit
    DISCRETE STRUCTURES                   79 PASS WITH DISTINCTION  05     15.00
    PRINCIPLES OF PROGRAMMING B           57 PASS           05              15.00


Year : 2024 DIPLOMA IN COMPUTER SCIENCE
National Qualification ID : 109017     Credit : 360
National Level : Advanced Certificate, Diploma (06)
Designator : NOT APPLICABLE
Qualifier : COMPUTER SCIENCE
Annual Result : P  PASS
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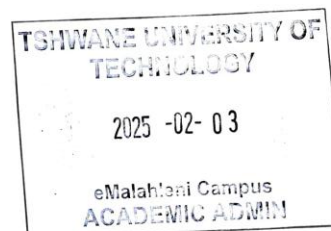
Tshwane University of Technology
We empower people

Academic Transcript

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Name   : DIKOTOPE THABANG
Student Number : 223174256
Identity Number : 0301025383086   Date Of Birth : 02-JAN-2003

			National Level	National Credit
FIRST SEMESTER (JAN-JUN)				
ADVANCED DISCRETE STRUCTURES	71	PASS	06	15.00
COMPUTER ARCHITECTURE AND ORGANISATION	56	PASS	06	15.00
DATABASE PRINCIPLES	57	PASS	06	15.00
OBJECT-ORIENTED PROGRAMMING	61	PASS	06	15.00
SECOND SEMESTER (JUL-DEC)			National Level	National Credit
ADVANCED OBJECT-ORIENTED PROGRAMMING	67	PASS	06	15.00
INFORMATION SECURITY	52	FAIL SUBMINIMUM (RE-EXAM)	06	
OPERATING SYSTEMS	64	PASS	06	15.00
SOFTWARE ENGINEERING FUNDAMENTALS	50	PASS	06	15.00
NOVEMBER RE-EXAM			National Level	National Credit
INFORMATION SECURITY	64	PASS	06	15.00

Year : 2025 DIPLOMA IN COMPUTER SCIENCE
National Qualification ID : 109017   Credit : 360
National Level : Advanced Certificate, Diploma (06)
Designator : NOT APPLICABLE
Qualifier : COMPUTER SCIENCE
Annual Result :

		National Level	National Credit
FIRST SEMESTER (JAN-JUN)			
DATABASE PROGRAMMING	NO RESULT	06	
INTERNET PROGRAMMING	NO RESULT	06	
MOBILE COMPUTING	NO RESULT	06	
SOFTWARE PROJECT	NO RESULT	06	

I hereby declare that
DIKOTOPE THABANG
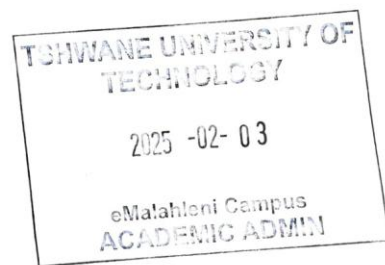was a registered student at this university during the above mentioned
years and that his / her conduct was satisfactory.

REGISTRAR

TSHWANE UNIVERSITY OF
TECHNOLOGY
2025 -02- 03
eMalahleni Campus
ACADEMIC ADMIN

Academic Transcript

Issuing Institution : Tshwane University of Technology PRODI41
Name   : DIKOTOPE THABANG
Student Number : 223174256
Identity Number : 0301025383086   Date Of Birth : 02-JAN-2003

*National Level Key
10 - Higher Certificate
11 - Advanced Certificate, Diploma

Last Page

TO WHOM IT MAY CONCERN

It is hereby confirmed that **THABANG DIKOTOPE**, Student Number **223174256**, ID Number **0301025383086**, is registered from **03-Jan-2025** to **31-Dec-2025** at **Tshwane University of Technology** for the under mentioned programme and subjects.
Campus and Registration Type: **D1 EMALAHLENI - FULL TIME**
Qualification: **DPRSF0 Dip (Computer Science) (Extended)**

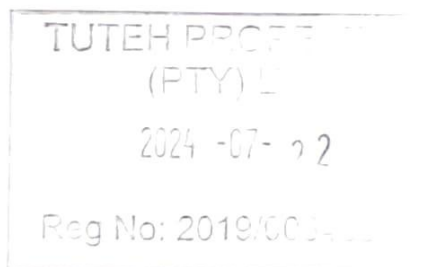| Subject	Description	Qual.	Offering Type	Cancel	Exempt	Exam Year	Exam Month	Class Group	Practical Group	Cost
	1 FIRST SEMESTER (JAN-JUN)									
DBP316D	DATABASE PROGRAMMING	DPRSF0D1	N	N		2025	5	KA	KA	6260.00
INT316D	INTERNET PROGRAMMING	DPRSF0D1	N	N		2025	5	KA	KA	6270.00
MOB316D	MOBILE COMPUTING	DPRSF0D1	N	N		2025	5	KA	KA	6270.00
SWP316D	SOFTWARE PROJECT	DPRSF0D1	N	N		2025	5	KA	KA	6270.00

To: Whom it may concern

Date: 22 July 2024

Re: Testimonial for Mr. Thabang Dikotope (223174256)

Mr. Thabang Dikotope, student number 223174256 has been an academic mentor at both Khayalethu and Corridorhill from 2022 to date. He has been an excellent student and fully participated in our mentorship program aimed at assisting and improving academic performance of our residents.

I fully believe that Mr. Dikotope can be of great importance and an assert to your office/department.

For more information, please feel free to contact me.

Regards,
Titus Mautlwa Dagane
titus.dagane@tutenterprise.co.za
Cell: 0694548576

TUTEH PROF
(PTY) L

2024 -07- 2 2

Reg No: 2019/00

CORRIDOR HILL RESIDENCE
EMALAHLENI

ILANGA DRIVE, CORRIDOR HILL, EMALAHLENI
HEAD OFFICE 013 656 2631

SIGNATURE   22/07/2024
                   DATE

aws training and
certification

Certificate of Completion

Thabang Dikotope

successfully completed

Introduction to Containers

on

9/10/2024