# SBONGAKONKE SFISO MABASO

## **BSc Computer Science and Information Technology Graduate**



### **SUMMARY**

Entrepreneurial Computer Science and IT graduate from the University of KwaZulu-Natal, recognized as a Golden Key Society member (top 15% of students). Successfully launched a small business building dog kennels during the COVID-19 pandemic. Skilled in object-oriented programming (Java, C#, C++, Python) and web development using the Microsoft stack (ASP.NET, SQL Server, JavaScript, CSS), with a focus on intuitive application design. Originally from Bergville, I achieved the only A in Life Sciences in my matric year.

#### **EXPERIENCE**

#### General Worker

#### **Farmlee Save**

General Worker

- Efficiently managed packaging operations, ensuring timely and accurate fulfilment of orders
- Performed thorough cleaning of crates, maintaining high hygiene standards
- Proactively emptied and sanitized dirty bins, contributing to a safe and organized work environment

#### Demonstrator

#### **University of KwaZulu-Natal**

Demonstrator

- Delivered engaging tutoring sessions on Object-Oriented Programming and Graphical User Interface for second-year students in COMP 200
- Facilitated foundational learning in Java and Object-Oriented Programming for first-year students in COMP 102

#### **EDUCATION**



#### BSc Computer Science and Information Technology

# **University of KwaZulu-Natal**

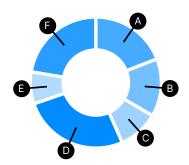
• Golden Key Honour Society Member (Top 15%)



# Grade 12 (Matric)

#### **Tholithemba High School**

# **MY TIME**



- A Learning Entity Framework APIs
- B Power BI
  - Power Bi
- C Web Development
- Microsoft Certification Preparation
- Personal Projects
- Career Development & Job Applications

# **LANGUAGES**

English (FAL)

Proficient



#### **STRENGTHS**

#### **</>>**

#### **Programming Languages**

C#, C++, Java, ASP.NET Web API, Node JS, Python, Angular6



# **Operating Systems**

Linux, Windows, OS Installation, Microsoft Office 365



## Reporting and Dashboards

Microsoft SQL, MySQL, Power BI, Crystal Report



# Microsoft Cybersecurity Certification Track

Netcampus Group | In progress, 2024 SC-900, SC-200, and AZ-500

### **KEY ACHIEVEMENTS**

# www

## **Web Application for Clinic Management**

Led a team to develop a web application for the UKZN Howard Campus Clinic Management System using Agile methodologies



#### **Customer Management System**

Built a customer management system featuring full CRUD functionality using Angular 6 and ASP.NET Web API



#### **Artificial Intelligence Algorithms**

Implemented various artificial intelligence algorithms, including search algorithms, genetic algorithms, and neural networks

#### **SKILLS**

C/C++	C#	Crystal	Reports	CSS	
Data Structures		Algori	thms	Eclipse IDE	
RESTful API HTI		ITML5	Windows OS		
Interface Design		Java	JavaScript		
Linux Commands N			Microsoft Office 365		
Microsoft SQL Server					
Microsoft Visual Studio 2022 OOP					
Python	Python SMTP		.NET	Framework	
Visual Studio Code		le No	Node.js		
ASP.NET Web API		OOP	OOP Principles		
Entity Framework		Ang	Angular6		

Assembly Language



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# **COVER LETTER**

Dear Hiring Manager,

I am writing to express my keen interest in the graduate programme opportunity at your esteemed organization. As a BSc Computer Science and Information Technology graduate from the University of KwaZulu-Natal, I am eager to contribute to your team and bring my strong foundation in software development and problem-solving skills to real-world projects.

During my tenure as a Demonstrator at the University of KwaZulu-Natal, I had the invaluable opportunity to lead and mentor first and second-year students in complex topics such as Object-Oriented Programming and Graphical User Interface design. This not only honed my technical expertise but also enhanced my communication skills and ability to adapt teaching methods to suit different learning paces. By focusing on foundational programming languages like Java, I helped cultivate a deep understanding of coding principles in students, which was crucial for their academic progression.

One of my most significant academic projects involved leading a team to develop a web application for the UKZN Howard Campus Clinic Management System. Embracing Agile methodologies, we delivered an effective solution that streamlined clinic operations. Through this experience, I further refined my skills in Angular 6 and ASP.NET Web API. This, coupled with hands-on experience with technologies such as Python and C#, has equipped me with the versatility to tackle diverse technical challenges proficiently.

I am looking forward to the prospect of discussing how my skills, especially in software development and innovative thinking, align with the goals of your team. I am enthusiastic about the possibility of contributing to projects that drive technological advancements and improve organizational efficiencies. Please feel free to contact me to schedule an interview at your convenience.

Sincerely,

Sbongakonke sfiso mabaso

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