

Curriculum Vitae
Simarin Naidoo
B.Sc. Computer Science & Information Technology

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Education

The University of Kwa-Zulu Natal – 2021 to 2023

- Bachelor of Science in Computer Science and Information Technology (Summa Cum Laude).

Mountview Secondary School – 2016 to 2020

- Matriculation with a bachelor pass.

Work Experience

Digiata Technology Services (Junior Software Engineer) – January 2025 to Current

- Develop and maintain backend financial data systems, including stored procedure optimization, price upload pipelines, and static data imports using SQL Server and SSMS
- Support DEV-to-PROD deployments within a formal IT change management process, including ECAB-approved releases and ticketed change requests
- Collaborate with cross-functional teams across technical and business stakeholders to investigate problems and deliver solutions within Agile environments
- Participate in the full software development lifecycle — from requirements and testing through deployment and post-release support

EY Cape Town (Technology Risk Associate 2) – February 2024 to January 2025

- This service involves performing IT-related procedures in support of financial statement audits and/or as part of the integrated audit, including evaluating IT general control design and operating effectiveness and testing application controls. We examine management controls within an IT infrastructure, in conjunction with a financial statement audit, internal audit or other form of attestation engagement.

AWS Cloud Support Associate Immersion Program – January 2023 to June 2023

- A two-stage Learning Program offered to university students: the first stage starting at the end of your penultimate year of study, taking place during the summer vacation. Upon successful completion of the first stage, participants will be moved to the second stage— aka AWS Premium Support Winter School – spanning two weeks and coinciding with the mid-year vacation.

Tutor and Demonstrator at University of Kwa-Zulu Natal - January 2023 to June 2023

- Tutor first year students with regards to COMP100 module.

Software Projects

DocBot (Medical A.I Chatbot) (AWS Services & Python):

- DocBot is a virtual healthcare assistant and a revolutionary medical chatbot app that provides users with accurate and reliable medical information. Powered by state-of-the-art natural language processing techniques and the OpenAI API, DocBot understands natural language input and provides answers to

medical questions in a conversational manner. It bridges the gap between users and healthcare professionals, offering convenient access to medical information and assistance 24/7. With DocBot, users can make informed decisions about their health, save on consultation fees, and reduce the strain on healthcare facilities and resources. Please note that DocBot's information is meant to complement professional medical advice and should not replace it. Always consult a licensed healthcare professional for specific medical advice or diagnosis.

Point of Sales and Inventory Management System (C#):

- Built a point of sales system as well as an inventory system for a local home automation business. The program was developed in C# and included a database and had a user interface. This program was developed as part of my final year project. The program allowed the user to manage inventory, place orders as well as notify customers at every major process related to the order.

Point of Sales and Inventory Management System (ASP.Net):

- Built a point of sales system as well as an inventory system for a local home automation business. The website was developed using ASP.Net. The website allowed users to place orders for parts and allow the manager to view and manage the orders. The website also contained similar functionality to that of the C# program.

A quiz game (C++):

- I developed a quiz game based on Marvel in C++. This quiz would test people's knowledge of Marvel movies and television shows.

DNA Analysis Program (Java):

- I developed a DNA analysis program which uses finite state automata to improve efficiency as well as to help improve my understanding of finite automata.

Core Skills

- Analytical Skills
- Assembly Language
- C#
- C++
- Database Design
- I.T Auditing
- Java
- Microsoft SQL Server
- Project Management
- Pro-log
- Python (Programming Language)
- SQL

Achievements

- Achieved Summa Cum Laude for degree completion.
- Awarded the Deans Commendation throughout my degree.
- Awarded Certificates of Merit for achieving the highest mark in the course for the following courses – Computer Organization and Architecture (COMP204) and Databases and Programming (ISTN212).
- Awarded scholarships from the university worth R25 000 for my first-year results as well as for my second year results.
- Information Technology Award in Matric for achieving the highest mark for the subject

