

ALISHA PERUMAL

CONTACT

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EDUCATION

2019 - 2021
STAR COLLEGE DURBAN

- Matric

2022 - Present
UNIVERSITY OF PRETORIA

- BSc Computer Science

PROGRAMMING LANGUAGES

- Delphi
- SQL
- C++
- Java
- Python
- JavaScript
- TypeScript
- PHP

PROFESSIONAL SKILLS

- Problem Solving
- Critical Thinking
- Leadership
- Time Management
- Oral and Written communication
- Multitasking abilities

PROFILE SUMMARY

I am a hard-working individual and have a deep passion for computer science and its potential to develop and improve society. My desire to help communities has always been a significant part of who I am. I am a confident, young professional with a passion for learning and a strong track record of setting and striving towards effective goals. I am committed to continuous improvement and driving team success.

ACHIEVEMENTS AND COMPETITIONS

Inter-School Debate Competition - SEP 2019
Silver Medalist

- Participated in an inter-school debate competition in Cape Town. Competed against Horizon Educational Trust schools across South Africa and placed second place. Awarded a silver medal.
- Through this experience, I developed strong public speaking, critical thinking, and persuasive communication skills.

Informatrix International Computer Project APR 2019
Competition -
Bronze Medalist

- Competed internationally with a project titled The Blind Mans Stick, integrating hardware and software to aid spatial navigation.
- Recognized for innovation and functionality with a bronze medal. Gained hands-on experience in embedded systems, assistive technology design, and technical presentation at a global level.

Eskom Expo for Young Scientists - 2017 AND 2019
Bronze Medalist (2x)

- Participated in South Africa's national science fair twice, earning bronze medals each time.
- Conducted original scientific investigations, developed research reports, and presented findings to expert panels. Gained hands-on experience in research, data analysis, and public presentation.

TOOLS AND PLATFORM SKILLS

- Microsoft Office Suite
- GitHub
- VSCode

LANGUAGES

- English: Fluent
- Afrikaans: Intermediate

COURSEWORK COMPLETED

2023

- Intro to Computer Science (COS151)
- Imperative Programming (COS132)
- Program Design (COS110)
- Operating Systems (COS122)
- Discrete Structures (WTW115)
- Mathematical Modelling (WTW152)
- Statistics (STK110/120)

2024

- Theoretical Computer Science (COS210)
- Data Structures and Algorithms (COS212)
- Software Modelling (COS214)
- Netcentric Computer Systems (COS216)
- Intro to Database Systems (COS221)
- Concurrent Systems (COS226)
- Computer organisation and architecture (COS284)
- Discrete Structures (WTW285)

2025

- Computer Networks (COS332)
- Artificial Intelligence (COS314)
- Multimedia (IMY310)

EXPERIENCE AND EXPOSURE

Jan Smuts House Museum - App Developer

APR 2023

- Participated in a university-led project team that developed an app for the Jan Smuts House Museum.
- Gained hands-on experience in app development, UI/UX design, client communication, and teamwork while contributing to a meaningful community initiative.

Lowtemp Airconditioning and Refrigeration - Administration Role

JUNE 2024
DEC 2024

- Worked as an administrative assistant during university recess.
- Supported daily office operations including filing, scheduling, and client communication. Assisted in coordinating technician visits and maintaining service records.
- Developed strong organizational, communication, and multitasking skills in a customer-facing environment.

NoSQL Database Management System - UI/UX Engineer

APR 2025

- Worked in a team for 3 months to design and develop a NoSQL Database Management System.
- Focused on intuitive design, data interaction workflows, and user-centered UI elements for creating and managing database documents.
- Gained hands-on experience in front-end development, NoSQL data concepts, and cross-functional collaboration with backend developers.