Resume

Name: S'bongumusa Alpha Mkhize

Location: Cape Town, South Africa

Email: 4323535@myuwc.ac.za

Phone: +27 76 696 2057

GitHub/Portfolio: [sbonga04 (Sbongumusa Mkhize)](#)

Education:

University of the Western Cape (UWC)

- BSc in Computer Science & Mathematics (4yr)

Expected Graduation: 2027

- 3rd Year Student Currently

Courses include:

- Data Structures, Operating Systems, Networking & Machine Learning
- Advanced Calculus + Linear Algebra
- Member of the HPC Competition Team (2025)

Technical Skills:

Languages:

- Java
- Python
- MySQL
- JavaScript (Beginner)

Tools:

- Linux (Ubuntu), Eclipse, Visual Studio Code, Git(CLI)

Concepts: Collision Resolution, HPC (LINED), Virtualization, Cybersecurity

Other: DSA & Algorithms, Low level language(Assembly) and Software Compilation

Projects & Experience:

CHPC Competition [CSIR]

Team Member | Mar 2025 – Present [Team GitHub:[4120272-georgeg (Grace George)](#)]

- Configured and used Lengau cluster at CHPC

- Installed and configured Linux virtual machines for HPC environments

- Applied LINED in simulated clusters

- Ran and complied with HPL, software compilation, and system performance tuning

- Preparing to qualify for the international cluster competition in Germany

Achievements

- Selected for the UWC HPC team after technical assessments

- Working towards AWS Cloud Practitioner Certification

- Consistently developing programming skills through academic and personal practice

- FreeLancer on Fiverr where I teach and help clients with Java.

- Building my Knowledge in APIs using Spring Boot & MySQL for Database.

Personal traits

- Fast learner, curious, and self-motivated.

- Strong problem solving mindset.

- Passionate about cloud computing, cybersecurity, and building real world systems.

Career Goal: Software Engineer or Penetration tester.