

IPFANI MULEYA

Bachelor of Science – Computer Science

Energetic, curious, intelligent, and a resourceful problem solver

Mobile: 082 630 5908 | Email: muleyaipfani22@gmail.com

GitHub: github.com/IpfaniMuleya | LinkedIn: <https://www.linkedin.com/in/ipfanimuleya/>

Residential Area: Pretoria

PROFESSIONAL PROFILE

A highly adaptable and resilient Computer Science honours student at the University of Pretoria, specialising in programming and cybersecurity. Skilled in software development, database design, and secure system implementation, with practical experience in C, Python, Java, and web technologies. Currently researching machine learning-based data recovery techniques in cloud forensics. Passionate about solving technical challenges and creating secure, efficient systems.

KEY COMPETENCIES AND SKILLS

Technical Skills

- Programming Languages: Python, C, Java, JavaScript, HTML, CSS.
- Database Management: Relational database design, Oracle, SQL.
- Cybersecurity: Linux OS development, secure coding practices.
- Tools: GitHub, Microsoft Suite, Adobe Suite, Blender (basic 3D modelling).
- Web Development: WordPress, Agile development, PHP.

Key Competencies

- Problem-solving: Solved a few LeetCode problems to improve efficiency and algorithmic thinking.
- Teamwork: Collaborated on GitHub projects, demonstrating strong communication and leadership.
- Adaptability: Navigated diverse work environments, delivering high-quality solutions under pressure.
- Leadership: Mentored peers and youth in technical and non-technical capacities.
- Self-motivation: Continuously advancing skills through the ALX Software Engineering programme and IBM SkillsBuild.

Education

Honours in Computer Science | University of Pretoria (2024)

- Current Research: Enhancing Cloud Forensics through Machine Learning-Based Data Recovery.
- Focus Areas: Cybersecurity, machine learning, and programming.

Bachelor of Science in Computer Science | University of Venda (2022)

- Final Year Project: Designed and implemented a relational database for a fictional company using Oracle.

National Senior Certificate | Maneledzi Secondary School (2017)

- Subjects: Mathematics, Physical Sciences, English, Tshivenda, Geography, Life Sciences, Life Orientation.

WORK EXPERIENCE

Volunteer Music Teacher | Living By Word and Faith Ministries (December 2022)

- Designed and delivered music lessons to 15+ students aged 12–16, focusing on piano and guitar. Coordinated with church leaders to align lesson plans with community needs.
- Key Achievement: Developed intercultural communication and self-management skills.

Freelance Software Engineer | Venomous Motives Records (Feb 2022 – May 2022)

- Built a fully functional website independently for a music recording company. Liaised with multiple stakeholders to ensure project alignment and timely delivery.
- Key Achievement: Strengthened project management and stakeholder engagement skills.

PASSIONS | INTERESTS

Passionate about cybersecurity, programming, algorithms, and artificial intelligence. Enjoy composing music, exploring new technologies, and travelling to gain diverse perspectives.
