Liyema Swartbooi

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Final-year ICT student specializing in Applications Development at Sol Plaatje University, with strong academic performance and hands-on experience in tutoring, app development, AI, and community engagement. Passionate about creating impactful software solutions and eager to grow within a collaborative and innovative environment like Dariel's.

Education

Sol Plaatje University - Diploma in ICT: Applications Development

Kimberley, Northern Cape | Feb 2023 - Nov 2025 (Expected)

- Distinctions in Programming I & II, Web Development, Mobile App Development, Software Engineering
- **Activities:** Google Developer Student Clubs, L'Oréal Brandstorm, Wits-Afretec AI Workshop, EDHE Intervarsity

Experience

Tutor - Programming & Mobile App Development

Sol Plaatje University | Feb 2025 - Present

- Provided support in Java, Kotlin, C#, Swift; guided students in debugging, projects, and assessments.

TPP Mentor & Brand Strategist

Talent Pipeline Programme | Feb 2024 - Feb 2025

- Mentored learners in HTML, CSS, Python, JS; ran outreach campaigns and promoted tech education.

Community Outreach Officer

Geekulcha | Jan 2025 - Present

- Led tech workshops, partnered with local NGOs, and promoted digital literacy in underserved areas.

AI Model Trainer

Outlier | Nov 2024 - Apr 2025 (Remote)

- Trained AI models using South African English; created content for linguistic and contextual accuracy.

Data Capturer

DHET | Nov 2024 - Feb 2025

- Captured/verified learner records and contributed to early completion of education data projects.

Solve Hub Ambassador

Solve Hub | Jun 2024 - Oct 2024

- Promoted hackathons and served as liaison between the platform and the university student network.

Projects

- **TPP System** - Node.js, Express.js, MongoDB, Mongoose, JWT, TailwindCSS
  Educational management platform for student coordination.

- **iTutor Booking System (iTBS)** - JavaFX, FXML, Java 8+, SQLite
  Tutoring access system for programming students at SPU.

- **Student Wellness & Academic Management System -** Django, Python, JavaScript, HTML/CSS, SQLite Context-aware app supporting academic and mental wellness.

Technical Skills

- **Languages:** Java, C#, Python, Kotlin, Swift, JavaScript, HTML, CSS
- **Frameworks/Tools:** Django, TailwindCSS, JavaFX, SQLite, JWT Auth
- **Mongoose Databases:** MongoDB, SQLite
- **Other:** Git, Firebase, Figma, Microsoft Office

Certifications

- MS AI Skills Challenge – Microsoft (2025)
- AI Fundamentals – Coursera x Google (2024)
- L'Oréal Brandstorm Certificate – South Africa Team (2024)
- Cybersecurity Job Sim – Mastercard, Forage (2024)
- Software Engineering Simulations – J.P. Morgan, Standard Bank (2024)
- Frontend Dev, JS Data Structures, Responsive Design – freeCodeCamp (2023–2024)