**Zikhona Bam**

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**Professional Summary**

Skilled IT professional with a **National Senior Certificate (Matric)** as a strong academic foundation, complemented by **CompTIA A+** and **Network+ certifications**. Experienced in PC hardware upgrades, troubleshooting, and network configuration, with hands-on expertise in improving system performance, configuring secure networks, and providing technical support. Passionate about leveraging automation and AI tools to improve IT efficiency. Completed multiple **Coursera professional development programs** and **AI-focused courses** in machine learning, data analysis, and emerging technologies.

**Education**

* **National Senior Certificate (Matric)** – South Africa
* **CompTIA A+ Certification**
* **CompTIA Network+ Certification**
* **Coursera Professional Development Programs**
  + AI for Everyone
  + Machine Learning & Data Analysis
  + Professional Development & Career Skills

**Technical Skills**

* **Hardware & Systems:** PC Upgrading & Repair, Troubleshooting, IT Infrastructure & Support
* **Networking:** Network Configuration (CompTIA Network+), Secure Network Setup
* **Software & Tools:** Git, GitHub, SQL & Databases
* **Programming & Web:** HTML, CSS, JavaScript (ES6+)
* **AI & Automation:** AI Tools, Automation Systems

**Professional Skills**

* Communication & Collaboration
* Critical Thinking & Problem Solving
* Adaptability & Resilience
* Leadership Foundations & Teamwork
* Time Management & Productivity
* Professional Ethics & Workplace Etiquette

**Projects**

**AI Study Buddy** – Developed an RAG-powered chatbot with summarization and speech support. [GitHub.](https://github.com/Agristorm/AI-Study-buddy)| [Live Demo](https://ai-study-buddy-xi.vercel.app/)

**Adult Census Model** – Built a machine learning model predicting income levels (>50K). [Github](https://github.com/Agristorm/Adult-Census-Bias-Analysis-Model)| [Live Demo](https://colab.research.google.com/drive/1kSP9VCLymslnjaquDqMS8z0tgTykR80Q?usp=sharing%20)

**Weather AI** – Real-time AI weather prediction system using live data & APIs. [Github](https://github.com/pricillazikhona-cpu/weather-ai%20)| [Live Demo](https://weather-ai-ivory.vercel.app/)

**SmartEdu-Gr12** – AI-powered content generator for Grade 12 education. [Github](https://github.com/Agristorm/SmartEdu-Gr12-contentCreatorr) |[Live Demo](https://www.figma.com/make/dS0zWAWOKto8NYDY5rmImF/SmartEdu-Grade-12-Content-Generator?node-id=0-1&p=f&t=teZfrzLIlb6Op6Kc-0&fullscreen=1)

**AI Resume Builder** – Intelligent resume builder & CV reviewer. [GitHub](https://github.com/Agristorm/AI-Resume-Biulder) | [Demo](https://bmokgola.github.io/resume-/)

**Apple Disease Detector** – AI-powered crop disease detection tool using image classification. [Github](https://github.com/Agristorm/Apple-Disease-Detector-CropCareAI-)-| [Live Demo](https://blog-thin-05039763.figma.site/)