ERNEST TSVANGIRAI

+263 784 525 565 | ernesttsvangirai@gmail.com | github.com/tozy10 | linkedin.com/in/ernest-tsvangirai
Gender: Male | **Age:** 23

EDUCATION

Harare Institute of Technology, Harare, Zimbabwe September 2022 – June 2026
Bachelor of Technology (Honours) in Computer Science
Degree class : 1 (First Class)
Awarded the HIT Book Prize for the best design and innovation project.

St Augustine's High School March 2020 – February 2022
GCE Advanced Level (ZIMSEC, Nov 2021): 3 subjects

Subject	Grade	Subject	Grade
Pure Mathematics	**B**	Accounting	**A**
Computer Science	**A**	Communication Skills	(4)

St Faith's High School January 2016 – December 2019
GCE Ordinary Level (ZIMSEC, Nov 2019): 12 subjects

Subject	Grade	Subject	Grade
Mathematics	**B**	Biology	**C**
English Language	**A**	Geography	**A**
Shona Language	**B**	Agriculture	**C**
Computer Science	**B**	Literature in English	**B**
Physics	**A**	Business and Enterprise Skills	**A**
Chemistry	**B**	Principles of Accounting	**A**

EXPERIENCE

Freelance Web Developer June 2026 – Present
Web Entangled

- Maintained and developed enterprise-level websites for corporate clients including Air Zimbabwe, Telecel, Schweppes, Chicken Slice, and NRZCPF.
- Redesigned front-end user interfaces to improve the look and usability of client websites.
- Managed domains, databases, and website security across client projects.

PROJECTS

Automated African Armyworm Monitoring and Early Warning System IoT, Computer Vision, AI

- Developed, as my final-year project, an IoT-based system that uses computer vision and artificial intelligence to monitor African armyworm populations in farmers' fields.
- Provides farmers with early-warning data to support informed crop-protection decisions.

ArtForZim E-commerce Web Application

- Built and deployed an e-commerce website that lets Zimbabwean artists advertise and sell arts and crafts to the international market. Deployed on artforzim.com

Personal Portfolio Website React, Tailwind CSS

- Designed and built a personal portfolio showcasing my projects, experience, skills, and downloadable resume. Deployed on ernest.tsvangirai.com

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, C, R
Web Development: HTML, CSS, AWS, React, Next.js, Django, WordPress
Databases: PostgreSQL, SQLite, MongoDB
Data & Analytics: Python, SQL, Excel, Pandas, Matplotlib, Tableau, Data Visualization
Version Control: git, GitHub

CERTIFICATIONS

Certificate in Higher and Tertiary Education – Teaching and learning methods for higher and tertiary education.

Cisco Data Analytics Essentials – Data cleaning, analysis, and visualization using spreadsheets, SQL, Python, and Tableau; built dashboards and communicated data-driven findings.

Cisco Data Science Essentials with Python – Used Python, Pandas, and Matplotlib to clean, analyze, and visualize data, and presented insights through data storytelling.