

# Ayanda Joseph

Cybersecurity Student | Full-Stack Engineer | AI Safety Researcher

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## PROFESSIONAL SUMMARY

Cybersecurity student and tech innovator driven by a mission to ensure digital safety in an era of rapid AI advancement. Specializing in offensive cybersecurity, full-stack engineering, and ethical AI development. Dedicated to pioneering AI Safety protocols and building secure digital infrastructures that protect both systems and humanity. Inspired by visionaries like Terry Davis and Linus Torvalds, I solve real-world problems through innovative technology solutions.

## TECHNICAL SKILLS

Systems & Core	C, Holy C, Python, TypeScript
Frontend	React, Next.js, JavaScript, Tailwind CSS, HTML/CSS
Backend	FastAPI, Node.js, Express, Django, Flask
Databases	MongoDB, MySQL, Redis, Firebase, Supabase
Cloud & Tools	Google Cloud, AWS, Vercel, Render, GitHub, REST APIs
Security & AI	OSINT, Vulnerability Scanning, AI/ML Integration, Digital Privacy
Cybersec tools/path	Nmap, Wireshark, Burp Suite, Linux, OSINT, Digital Forensics, Automated Penetration Testing, Threat Intelligence

## FEATURED PROJECTS

- VULNRIX - Security Platform

[vulnrix.onrender.com](#)

Python | AI/ML | Security

Comprehensive OSINT and vulnerability scanner for digital footprint analysis and deep code auditing. Integrates custom search APIs and AI models for automated security assessments and threat detection.
- Digital Footprint Shield

[digital-footprint-shield.onrender.com](#)

Python | Flask | AI Integration

OSINT security tool for scanning digital footprints using custom search APIs and AI integrations. Provides comprehensive analysis of online presence and potential security vulnerabilities.
- Alexcathe Construction Platform

[alexcathe.vercel.app](#)

Next.js | TypeScript | Tailwind CSS

Modern construction and engineering platform featuring premium dark UI, high-performance animations, and responsive design optimized for business conversion.
- Kelagam Technologies

[kelegam-tech.vercel.app](#)

Next.js | TypeScript | Tailwind CSS

Premium multi-page enterprise platform with digital showcases, modern dark/light UI design, and optimized user experience for technology services.
- NextPhase Real Estate

[nextphaserealestate.com](#)

React | Node.js | MongoDB

Professional real estate platform focused on conversion optimization, property management, and seamless user experience with full CRUD functionality.

## Fyra Network Mining App

[fyra-network.vercel.app](https://fyra-network.vercel.app)

*React | Server-Sent Events | Real-time*

Complex crypto mining web application with real-time tracking, server-side events for live updates, and secure transaction processing.

## E-Commerce Store

[ecom-stor-three.vercel.app](https://ecom-stor-three.vercel.app)

*Node.js | SQL | Cloudinary*

Full-stack e-commerce platform with high-performance backend, cloud-based image hosting, payment integration, and comprehensive product management.

## CURRENT FOCUS

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AI Safety & Alignment, Cybersecurity, OSINT & Security Research, Digital Privacy, Tech Innovation

## CORE MISSION

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- Ensuring digital safety and online privacy in the age of AI
- Pioneering AI Safety protocols focused on LLM alignment and human well-being
- Building secure, intelligent architectures that protect systems and humanity
- Bridging offensive cybersecurity with ethical AI development