

Dancan Njoroge | | Curriculum Vitae

Personal Profile

Innovative and self-driven tech student with a passion for software development, UI/UX design, and artificial intelligence. Proven ability to create full-stack systems, advanced GUI applications, and educational platforms. Strong interest in empowering people through technology and building smart, user-friendly solutions both online and offline.

Career Objective

To become a leading software developer and tech innovator by designing powerful applications and platforms that solve real-world problems, particularly in education, AI, and community-focused systems.

Education

Diploma in Computer Science (Ongoing)-Baringo National Polytechnic

CDACC-Certified, Kenya

2023 - Present

- Core Subjects: Networking, Software Development, Databases, System Analysis- Focus Areas: Python, Web Development, UI Design, Computer Security, Graphic Design

Technical Skills

- Languages: Python, Kotlin, JavaScript, HTML5/CSS3, SQL
- Frameworks/Tools/Libs: Flask, Tkinter, CustomTkinter, Flutter, Android Studio, OpenCV
- Databases: MySQL, SQLite, MS SQL Server
- Others: Git/GitHub, Figma, Canva, Chart.js, VS Code
- APIs: OpenAI API, SMS Gateways, Face Recognition API
- Design: Responsive Web Design, Advanced UI/UX in Desktop Apps

Projects

Aether AI (2025): Offline + Online AI Assistant with file, voice, and text input. Technologies: Python, CustomTkinter, JSON, Threads.

Landlord Management App (2025): Modern GUI desktop app for rent tracking and tenant management. Technologies: Python, SQLite.

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Flask Voting System: Multi-seat institutional-level election platform with admin features. Technologies: Flask, MySQL, Chart.js.

TechNerds Portfolio Website: Multi-page responsive website for showcasing team projects. Technologies: HTML, CSS, JavaScript.

AgriVerse AI GUI: Smart livestock monitor with SMS alerts and logs. Technologies: Python, CustomTkinter, SMS API.

Internship & Experience

IT Support Intern - MAGDALENA FARM OI-Joro-Orok

July 2024 - September 2024

- Software installation and maintenance - Digitized employee records
- Troubleshooting and network support

Certifications & Awards

- Python for Everybody - Coursera (2024)
- Git & GitHub Essentials - FreeCodeCamp (2024)

Languages

- English - Fluent
- Swahili - Fluent

Interests & Hobbies

- Creative GUI and app design
- Building offline-first AI systems -

Football (Arsenal fan football)

- Storytelling, digital writing

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- Exploring AI, Cybersecurity, and Web3

References

Available on request.



