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Portfolio: [gitau.vercel.app](http://gitau.vercel.app)

## Personal Profile

I am a conscientious individual with a pleasant personality. I can work on my own initiative and as part of a team. I am a result-oriented individual with an aspiring progressive career as a software developer and with the zeal to contribute to cutting-edge projects and make a meaningful impact in the field of computer science. I am self-driven, innovative, analytical and an exceptionally fast learner. I desire to be engaged in a challenging and rewarding environment which will grant me the opportunity to utilize my acquired skills that will lead to both organizational and personal growth.

## Education

Sep 2021 – Present – Dec 2024

### Bachelor of Science in Computer Science

Umma University

I have covered the following topics during my coursework:  
Data Structures, Algorithms, Database Management, Object-Oriented Programming, Web Development, Computer Networks, Operating Systems, AI

## Work Experience

May 2021 – August 2021

### Tech Support/Network Associate -Tangible Air Solutions, Kimende, Kiambu

I worked as technical support and as a network associate until my enrollment into the university. I was tasked to handle the following responsibilities:

- Configuring networks for newly enrolled clients for the Internet Service Provider (ISP).
- Maintaining the clientele database to ensure that client details and package subscriptions are up to date
- Troubleshooting networking problems that may have arisen from client's side to ensure smooth browsing experience and minimum downtime.

5 <sup>th</sup> August 2022 – 10 <sup>th</sup> August 2022	<b>Clerk at Independent Electoral and Boundaries Commission (IEBC)</b> -I coordinated the process of voter lookup from the KIEMS kit and details confirmation translating in 100 percent accurate retrieval for the polling station that I was assigned. -I implemented a strategy for easy vote counting that facilitated ease of vote recounting and count verification.
October 2023- Decemeber 2023	<b>Software Engineering Intern at Vision Fund</b> -I was tasked with creating and maintenance of internal tools for various departments within the organization and learnt about various frameworks and clouds services

## Skills

- **Computer Proficiency:**
  - Operating systems: Linux and windows,
  - Networking: protocols, architecture
  - Languages: Java, C++, C#, Kotlin, Flutter, Python, JavaScript, Node ,HTML5, CSS3(I know html, and css are for scripting)
  - Databases: SQL (MySQL, SQLite), Firebase, MongoDB
  - Familiarity with software development tools and, such as Git and Agile methodology,
  - Frameworks: Rest, Reactjs, Vuejs , Threejs, Nextjs, .NET tailwindcss
  - Familiarity with game development tools such as Unity, Unreal Engine and Godot Engine
- **Communication skills:** I am an excellent communicator who effectively conveys information both verbally and in writing. I am also a keen listener and gives prompt feedback.
- **Analytical and Problem solving:** I can visualize, solve complicated problems in the best way and make accurate and informed decisions. I combine patience, determination, and persistence to troubleshoot client issues.
- **Organizational /Team Work:** I can work with team of people to run campaigns and fulfill other organization's goals.
- **Planning and Organizing:** I possess refined planning and organizational skills that balance work, team support and ad-hoc responsibilities in a timely and professional manner.

## Projects

- **Perfsuite:** I am currently developing an overclocking and suite for laptops with both Intel and AMD CPUs for in order to make the unleash their full potential and also unlock the power of both the iGPU and dGPUs for the systems in C# using help from open source projects like RyzenAdj.

- **Mandai:** this is a web application that allows one in an organization to book vehicles for travel which incorporates use of various frameworks such as bootstrap and emailjs also use firebase for the database and nodejs for the back-end.
- **Archie** this is an archival software that works stores various documents to a database for included those stored in excel sheets
- **Perfsuite Mobile:** a Mobile application mimicking Asus ROG Armoury Crate to use with perfsuite where it show the system stats and you will be able to change performance profiles. Built using react native for the mobile app and nextjs for the web-app
- **Better Farm** a web application aimed to help farmers get the most with an intergrated with image recognition for detecting disease a chat bot for any queries and integrated weather and currently working on a digital twin to help give you expected yield.
- **My portfolio:** A showcase of my projects and skills. It is built on nextjs and tailwindcss

## Interests

Game Development -I am currently developing a first person shooter that is helldivers 2 esque with a twist

Software Engineering - the above projects and a few other in development projects

Machine Learning - this was brought on by the development of better farm

Gaming - I play first person shooter titles like counter strike, Halo and some racing and city building games

Home labbing - I run my own cloud back up using old hardware and to ensure I adhere to the 3-2-1 backup rule. I also self host jellyfin and from music, TV shows and Movies I legally own and using home assistant to add automations to my life

Tinkering - I am trying to use an old router as a RGB LED controller while using the ethernet ports as the led interface and connect them to either windows dynamic lighting, signal rgb, Aura sync (I use an ASUS laptop), or home assistant.

## References

1. Captain John Mukoma

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2. Margret Nyambura

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3. Joseph Martin Mwai

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4. Victor Muchiri  
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