AZHAR AHMED TAKOY

Hello! I'm a software engineer with a versatile, well-rounded approach to development. I specialize in crafting algorithms that deliver next-level solutions. How do I do it? With a background in Knowledge Engineering, I'm skilled at translating complex real-world problems into computer language. In addition to software, I'm a 3D designer working in Blender, where I bring ideas to life in three dimensions. I've also joined the game development community, using Unity and planning to expand into Unreal Engine soon. Currently, I'm on a journey to merge software engineering with AI, creating cutting-edge solutions so refined they feel like a natural resource.

Personal details

Email address
azharahmedtakoy4444@gmail.com

Phone number
+254773470576

Address
Hurlingham Nairobi

Website
azharaportfolio.netlify.app

Github
github.com/AzharAhmed-bot

Programming Languages

Python   ● ● ● ● ●

Javascript   ● ● ● ● ●

Typescript   ● ● ● ● ●

Java   ● ● ● ● ●

C++   ● ● ● ● ●

Technologies

Figma design   ● ● ● ● ●

React   ● ● ● ● ●

Angular   ● ● ● ● ●

Generative AI & Agents   ● ● ● ● ●

Flask   ● ● ● ● ●

Projects

Aug 2024 - Dec 2024

QUASAR
azharaportfolio.netlify.app
- In full it means quantum Augmented Secure adaptive response
- It comprises of 2 ML models the autoencoder and RL model that sweep through user traffic to detect anomalies.
- Once the anomaly is flagged true it traces it back to the user responsible for malicious activities.

Jan 2023 - Present

AI Agents
I'm gate-keeping the code. Output will be shown upon requested
- AI agents that detects the gene JGB2 of a patient. This Agent calculates the probability of off-spring aquiring the same gene.
- Agent that plays tictactoe. The probability of human winning is 0%.
- Agent that can be used by civil Engineers to place hospitals within a city while minimizing the distance and cost from each house.

Nov 2023 - Jan 2024

Compass Calendar-UX designer
app.compasscalendar.com
- Designed the user experience for a minimalist calendar website using figma.
- Participated in documentation using compass doc, to ensure comprehensive project understanding.

Nov 2023 - Apr 2024

Lost and Found-Full stack Engineer
status on-going
- Crafted an intuitive user interface using figma, providing a seamless experience for both those reporting lost items and individuals searching for their belongings.
- Designed the backend architecture for the website using figma ERD diagrams.

Experience

Aug 2023 - Feb 2024	**Full stack intern**
	Italanta, Nairobi

- Contributed to open-source projects with over 5 successful merges.
- Cultivated my strong teamwork skills and collaborative experience.

Apr 2024 - Present	**full stack internship**
	Sheild Community, Nairobi

- Maintenance and design of the organization software and websites
- Collaboration with other experienced engineers to increase my experience

Education

Present	**Bachelor in Computer science**
	Strathmore University, Nairobi
Feb 2023 - Aug 2023	**Full stack engineer**
	Moringa School, Nairobi

Achievements

Aug 2020	**Young Scientist Kenya awards.**

- Secured the 10th position in the Young Scientist Kenya Tech category by developing an innovative device designed to curb theft in high school dormitories.

References

Eunice Wagura
Moringa school, Nairobi
+254702248259, eunice.wagura@moringaschool.com

Japheth
Elewa, Nairobi
+254729736134