Tracy Wanjiru Karanja
Software Developer

+254 722589611 | chirutracy@gmail.com | [LinkedIn](#) | [Github](#) | [Website](#) | Kenya

SUMMARY

Junior Developer aspiring to enter the world of full-stack development, with a strong foundation in front-end technologies like React and Next.js, complemented by backend experience in Python and Flask. Currently in my 4th year of studying Mathematics and Computer Science, I have gained hands-on experience through programs like SheCodes Foundation and Moringa School. Based in Nairobi, Kenya, I am passionate about technology and making an impact in the community through problem solving.

SKILLS

- HTML/ CSS
- Javascript
- Next JS
- React
- Python
- Flask
- API

Projects

AI Recipe Generator - [Link](#)
This project is an AI-powered recipe generator that creates easy-to-follow recipes based on user instructions. The application is built with modern web technologies and leverages an AI API to generate the recipes.

Portfolio - [Link](#)
This project is a React-based portfolio website that showcases my work, skills, and achievements, providing a comprehensive overview of my development journey. It features detailed sections highlighting my experience, projects, and education, all presented through an intuitive and responsive design to create a lasting impression for potential employers and collaborators.

World Clock - [Link](#)
This project is a web application that displays the current time in different cities around the world. It also allows users to select a city from a dropdown menu and display the current date and time for that city, updating every second. The application is styled with custom fonts and includes a beautiful background image inspired by Studio Ghibli.

EXPERIENCE

Partnerships and Sponsorships Coordinator | Hult Prize Multimedia University of Kenya
Oct 2024 - Present | Nairobi

- Develop and manage partnerships and sponsorships for the on-campus program.
- Create compelling value propositions to attract and retain partners and sponsors.
- Collaborate with university departments to secure resources and support.
- Engage with the local community to build awareness and foster partnerships.
- Coordinate event partnerships to ensure alignment and successful execution.

Software Engineering Fellow | Headstarter AI
July 2024 - Sep 2024 | Remote

- Built and deployed 5 AI projects in 5 weeks using React JS, Next.js, Firebase, Clerk, and Vercel, following agile methodologies with weekly sprints and incorporated CI/CD practices for iterative deployment.
- Worked in a team of 2 to develop an interactive customer support agent using Next.js, integrated a custom RAG pipeline using OpenAI and Pinecone that responds based on a company's knowledge base

- Collaborated with 2 Fellows to build and deploy a SaaS product that generates dynamic flashcards.
- Implemented a web scraper that automatically extracts data from Rate my Professor and upserts to a Pinecone index, integrated with a RAG pipeline using Vertex AI and OpenAI GPT-4o to get up-to-date and relevant answers to user queries.

Key Accomplishments:
- Currently working on an app with a colleague to help computer science students.

Front-end Developer Intern | CodeAlpha
July 2024 - August 2024 | Remote

- Successfully executed assigned projects in a remote environment, demonstrating independence and the ability to work with minimal guidance.
- Showcased expertise in managing tasks autonomously, effectively organizing priorities to meet front-end development deadlines.
- Quickly adapted to new workflows and maximized available resources to address obstacles, exhibiting a strong proactive approach and commitment to project success.
- Applied skills in Cascading Style Sheets (CSS) and front-end development to design responsive and aesthetically pleasing user interfaces

Web development and design Intern | Oasis Infobyte
Feb 2024 - Mar 2024 | Remote

- Worked on various tasks to enhance my skills in building user interfaces and creating seamless user experience.

EDUCATION

Multimedia University of Kenya | Bachelor of Science in Maths and Computer Science   Aug 2021-Present

Moringa School | Certificate in Software Engineering   Mar 2024-Aug 2024
Relevant Coursework:
- Front-end development with HTML, CSS, Javascript and React
- Back-end development with Python, Flask and Flask SQLAlchemy

Volunteer Experience

- **Partnerships and Sponsorships Coordinator :** I am in charge of developing and managing partnerships and sponsorships for our on-campus program by creating compelling value propositions, collaborating with university departments and the local community, and coordinating event partnerships to ensure successful execution and alignment.