# NYAWARGAK GATCHANG
## SOFTWARE DEVELOPER

## Contact

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## Education

**AkiraChix**
codeHive - Diploma in Information Technology
February 2024 – Present

## Courses

**Frontend Mobile Development**
- Control Flow
- Object Oriented Programming e.g classes and objects

**Backend Development**
- Data Structures e.g Dictionaries, Tuples, Lists, and Set
- Classes e.g OOP

**Frontend Web Development**
- Control flow
- DOM Manipulation

**UI/ UX Design**
- Elements & Principles of Design
- Ideation & Sketching

**Data and Software Architecture**
- Algorithmic problem solving
- Database management systems (PostgreSQL)

**Product Management**
- The product development process
- Managing your product

**UX Research**
- Human-centered Design / Design Thinking
- Planning a research project

## 👤 Profile

Renewable energy technologies have emerged as vital solutions addressing critical challenges linked to fossil fuels over the years. Nyawargak is inspired by the deployment of solar and wind systems in remote, underserved areas. As a software developer, she is deeply intrigued by the transformative potential of advanced software solutions in optimizing energy systems and reducing environmental footprints. Nyawargak envisions a future where global energy paradigms are transformed, driving significant environmental conservation efforts and fostering a resilient and eco-friendly energy infrastructure.

## Skills

- Ability to develop high-performance Android apps using Android SDK, APIs, and components.
- Ability to create scalable, secure backend systems with Django REST Framework.
- Familiarity with dynamically changing online app content using Document Object Model.
- Ability to develop dynamic web apps using Next.js and React.js for modern efficiency.
- Understanding of interacting with RESTful APIs to fetch, update, and manage web application data.
- Understanding of designing secure database systems in PostgreSQL using schemas.
- Ability to create product visions and customer journey maps for UX.
- Understanding of measuring product performance using analytics and metrics.
- Ability to design intuitive, user-friendly interfaces with Figma and Adobe.
- Understanding of organizing data using data structures like arrays and trees.
- Familiarity with software development lifecycle from conceptualization to deployment.

## 💼 Projects

**Investika Mobile App**
This platform aimed at empowering young people in Kenya to learn about financial investments, such as bonds, stocks, and money market funds.Through a gamified simulations youth are able gain the understanding of investment strategies such as stocks and bonds.
https://github.com/Gatchang-nyawargak/Vivosparks-Mobile.git

**Contacts App**
I worked on an Android application that is meant to help users display their contacts. This project utilizes the use of RecyclerViews, view holders, and custom adapters.
https://github.com/Gatchang-nyawargak/android_contacts_app

**Enwallet App**
This Android-based application stands out by offering a streamlined yet comprehensive tool for managing finances, enabling users to effortlessly log and categorize their income and expenses.
https://github.com/Gatchang-nyawargak/enwallet-assessment

## 👥 References

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Faith Gisemba
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