

CONTACT



Nelvine Isubire Kavaya

📍 Nairobi, Kenya

☎ +254748609410

@ nelvinekavaya@gmail.com

in <https://ke.linkedin.com/in/nelvine-isubire-539412278>

OBJECTIVE

Highly motivated Software Engineer with experience in Full-Stack and Android Development, specializing in building scalable solutions with Python, Java, and JavaScript (React/Node.js). Proven ability in Machine Learning (CNNs, RNNs), Cloud platforms (AWS/GCP - if applicable), and DevOps principles. Eager to contribute to innovative projects leveraging AI/ML and modern web technologies.

EXPERIENCE

15/04/2024 -
11/2024

- **Lead Developer & System Implementer | POS System for Cafes/Restaurants (Pos/caferhumba)**
Codverts Systems [Intern (volunteer)]
 - Developed and maintained a robust Point of Sale (POS) system using Laravel (PHP framework) for cafe and restaurant operations; successfully installed the system in a restaurant environment in Eldoret and Nairobi.
 - Engineered and implemented new features including order management, inventory tracking and customer relationship management modules.
 - Authored clean, well-documented code, adhering to Laravel best practices and contributing to the continuous improvement of code quality through participation in code reviews.
 - Played a key role in testing and debugging the Laravel application, ensuring stability and performance.
 - Applied and deepened expertise in Laravel's features (routing, controllers, models, views, Eloquent ORM) and its broader ecosystem, including various packages and tools.
 - Successfully integrated a new payment gateway, achieving a 15% increase in online order processing speed.

EDUCATION

09/12/2024

- **Maasai Mara University**
Bachelor of science (computer science)
GPA 3.9(second class upper division)

2016-2019

- **Maridadi High school**
High school
B-

2014

- **Kahoya Anne's Academy**
Primary school
B

SKILLS

- Languages: Python, Java, JavaScript, PHP, HTML, TailwindCSS, SQL, Kotlin
- Frameworks/Libraries: Laravel, Django, Flask, React.js, Node.js, TensorFlow,

- PyTorch, Scikit-learn, Express.js, Bootstrap
- Cloud/DevOps/Tools: Docker, Kubernetes , AWS , GitHub, Git, VS Code, MySQL, MongoDB
- AI/ML Concepts: Neural Networks, Convolutional Neural Networks (CNN), Recurrent Neural Networks (RNN), Machine Learning, Deep Learning, Feature Extraction (MFCCs)
- Methodologies: Agile, Scrum
- Soft Skills: Problem-Solving, Teamwork, Communication, Adaptability, Continuous Learning

PROJECTS

- **AI-Powered Solution for Climate Change in Agriculture & Food Security Kenya Inter-University Hackathon (2324)**
 - Developed and presented an innovative AI-powered solution to address challenges of climate change in agriculture and enhance food security.
 - Led team to First Place victory at the hackathon due to the solution's innovative approach and potential impact.
 - Key Technologies: [Python, TensorFlow, Scikit-learn, Flask]
- **Breast Cancer Detection System (Final Year Project)**
 - Developed a machine learning system for the early detection of breast cancer using [mammographic image analysis or histopathological image analysis].
 - Focused on [implementing a Convolutional Neural Network (CNN) achieving 89% accuracy on a dataset, 99% accuracy on trained data and I also used SCD processing techniques to compare the data].
 - Key Technologies: [Python, TensorFlow, Keras, OpenCV, Scikit-learn]
 - GitHub: [<https://github.com/Xnelliek/BCDS>]
- **Speech Detection System (Personal Project - In Development)**
 - Currently developing a system [basic speech-to-text], exploring techniques in audio processing and machine learning.
 - Focusing on [Mel-frequency cepstral coefficients (MFCCs) for feature extraction, and Recurrent Neural Networks (RNNs) for classification].
 - Key Technologies: [Python, Librosa, PyTorch/TensorFlow, NumPy]
 - GitHub: [<https://github.com/Xnelliek/SDS1>]
- **Web Development Portfolio**
 - **datamorphicslabs.com**: Designed, developed, and deployed a professional website for DataMorphics Labs, showcasing their services and projects.
 - Key Technologies: [HTML, CSS, JavaScript, React, Node.js, MongoDB] | Link: datamorphicslabs.com
 - **nyathirumotel.co.ke**: Created and launched a responsive website for Nyathiru Motel to enhance online visibility, featuring room booking inquiries and service showcases.
 - Key Technologies: [PHP, Laravel, MySQL, Bootstrap] | Link: nyathirumotel.co.ke
 - **savita.com** (Industrial Attachment at SavIt Africa Limited): Contributed significantly to the front-end and back-end development of the official company website during an industrial attachment.
 - Key Technologies: [WordPress, PHP, JavaScript, CSS] | Link: savita.com

ACHIEVEMENTS & AWARDS

- Developed and presented an AI-powered solution for Climate Change in Agriculture

and Food Security at the 2024 Kenya Inter-University Hackathon. My team was awarded first place for our innovative approach. We were awarded phones and a cup for the school. Pictures are posted on my instagram account

INTERESTS

- Surfing through internet
- Watching Documentaries and Sci-fi movies.
- Swimming
- Playing video games

LANGUAGES

- English Swahili Spanish
- Read: English and Spanish Write: English and Swahili

PERSONAL DETAILS

- Nationality : Kenyan
- Github : <https://github.com/Xnelliek>

REFERENCE

- **Mr. Divyesh Panchal. - SAV-IT AFRICA LIMITED. Nairobi -Kenya**
CEO and Co-founder
Email: info@savita.co.ke
Tel:+254 725 722965
- **DR.Ope Justus. - Maasai Mara University, P.O BOX 861-20500, Narok-Kenya**
Head of department, CIS, school of pure, applied and health sciences
Email: ope@mmarau.ac.ke
Tel: +254722661202.
- **Maurice Owino - Codvert Systems**
Senior Software Engineer
info@codverts.co.ke
(+254) 736 619 900