Nicole Gesare Onyiego

Ngong,Kajiado 00208
Kajiado,Kenya
+254114714247
nicolegesare00@gmail.com

PERSONAL PROFILE

A self-motivated and innovative Mechatronics Engineering student with a strong foundation in mechanical, electrical, and software engineering principles. Experienced in leading IoT-based projects and proficient in software and web programming. Driven by a commitment to combining technology with practical solutions to enhance sustainability and improve consumer experiences. Passionate about leveraging interdisciplinary opportunities to develop skills in augmented reality, machine learning, and robotics. Eager to contribute to the vision of making sustainable living commonplace by developing innovative and impactful solutions.

SKILLS

Software Development

:HTML,CSS,Javascript,React,Python ,SQL ,Flask

Game Development-C#,Unity

Computer Aided Design,Solidworks,AutoCAD

EDUCATION

Dedan Kimathi University of Technology, Nyeri,Kenya- *BSc Mechatronics Engineering*

SEPTEMBER 2022 - PRESENT

ADDITIONAL COURSES AND PROJECTS

Moringa School, Nairobi,Kenya- *Software Development*

NOVEMBER 2023 - PRESENT

HUBIquitous -WAZIUP IoT Certification Program

- Practical skills in designing, implementing, and troubleshooting IoT solutions

April 2024-July2024

Maliyo Games - *Game Development*

SEPTEMBER 2023 -DECEMBER2023

Internet Of Things(IOT)Projects:

SMART CAR PARKING SYSTEM

FIRE SUPPRESSION SYSTEM

Web Development Projects:

1. **CLI Application for Monitoring Diabetes Patients' Health (Afyalink)**
   - Developed a command-line interface application to monitor the health of diabetes patients, providing an efficient way to track and manage health data.
2. **E-commerce Website - Game Purchasing Website**
   - Created an online platform for purchasing games, featuring a user-friendly interface and secure payment system.
3. **Website for Selling Artworks, Art Materials, and Supplies**
   - Designed and developed a website to sell artworks, art materials, and supplies, offering a seamless shopping experience for artists and art enthusiasts.
4. **Chanjo Health**
   - Developed an application that ensures every child's immunization is up-to-date through a robust SMS notification system.
5. **Car Rental Platform**
   - Built an app that simplifies car renting for business owners and individuals, featuring a user-friendly interface and efficient booking system.

MEMBERSHIP AND LEADERSHIP IN PROFESSIONAL SOCIETIES

Member of IEEE (Institute of Electrical and Electronic Engineers)Student branch in Dedan Kimathi University

Vice Chairperson Innovators club Dedan Kimathi University

COMMUNITY SERVICE AND VOLUNTEER WORK

Mentorship program for highschool students to join STEM courses ir:Karuda School,Gathunguruuru Girls Highschool

HOBBIES

Art and Design -Painting ,drawing Portraits

LINKS

Github-https://github.com/Gesare-n?tab=repositorie

Linkedin-www.linkedin.com/in/nicole-onyiego-06a2a4265

Itch.io-https://n-gesare-o.itch.io/

REFERENCES

Verol Nangani

Technical Professional

Dedan Kimathi University of Technology

verolnangani@gmail.com

Patron Innovators Club

Omwoyo Jeremiah

Maintenance Engineer

Uniliver Kenya Ltd

omwoyojeremiah@gmail.com

+254714312194

Mentor