Tirop Meshack

Gender: Male

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Professional Summary

Dedicated Computer Engineering and Cybersecurity student with expertise in web development, artificial intelligence, and digital forensics. Skilled in Python, Django, and cybersecurity principles, with experience in chatbot integration and data-driven machine learning projects. Passionate about building secure, innovative solutions for real-world problems.

Skills

- **Programming Languages:** Python, C++, Java

- **Web Development:** HTML, CSS, JavaScript, Django, Flask

- **Machine Learning & AI Tools:** TensorFlow, Keras, NLTK

- **Cybersecurity:** Digital forensics, Ethical hacking basics, Threat analysis

- **Databases:** SQLite, MySQL

- **Other Tools:** PyCharm, Spyder, Blender 2.93 LTS

- **Soft Skills:** Critical Thinking, Team Collaboration, Problem-solving

Education

Kyungdong University, South Korea

Bachelor of Science in Computer Engineering
Duration: sept 2022 – August 2026 (Expected)

- Specialization in Web Development and Information Assurance in Cybersecurity.

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Open University of Kenya (ouk.ac.ke)

Bachelor in Cybersecurity and Digital Forensics
Duration: [June 2023] – January 2026 [Expected]

- Focused on advanced cybersecurity principles, digital forensics, and online threat prevention strategies.

Projects

E-commerce Website with Integrated Chatbot

- Designed an e-commerce platform using Django with user authentication, dynamic pricing, and order management.

- Built a Flask-based chatbot integrated with SQLite for real-time customer support.

Cat-and-Dog Image Classifier

- Developed a CNN-based model using Keras to classify images with high accuracy.

Heart Disease Prediction System

- Leveraging CNNs and geolocation data to predict heart disease trends and individual risks.

Personal Blog Website

- Created a responsive blogging platform with advanced content management using CKEditor.

Certifications

- Python introduction- [simplilearn, October 2022]

- Intermediate python –[udemy ,June 2023]

Languages

- English (Fluent)

- Swahili (native)

- Korean (beginer)

Interests

- Cybersecurity Research, 3D Animation, AI Applications in Healthcare, Blogging

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