

KENNETH KIMOSOP KIPCHIRCHIR

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LinkedIn:

www.linkedin.com/in/kenneth-kimosop |

GitHub:

<https://github.com/kennethkimosop>

Leetcode:

<https://leetcode.com/u/HMp0ObZigI/> |

Portfolio:

<https://kenneth-kim.onrender.com>

Location: Nakuru, Kenya

Professional Summary

Third-year Telecommunication and Information Engineering student specializing in software engineering with experience in IoT, machine learning, and web technologies. Proficient in Python, Java, and C++, with a strong foundation in algorithms and data structures, demonstrated through 30+ Leetcode challenges. Proven track record of delivering real-world solutions in teams, improving system efficiencies, and driving data-driven decision-making. Enthusiastic about leveraging technology to solve global challenges.

Key Skills

- Programming Languages: Python, Java, C++, MATLAB
- Software Engineering: Algorithm design, Data structures, API integration
- Web Development: HTML, CSS, JavaScript, SQL
- IoT Development: Arduino, IoT sensors, Waziup Technology
- Machine Learning: Scikit-learn, Pandas, Jupyter Notebook
- Networking: Cisco CCNA 1, 2, 3, Network Security, Cybersecurity Essentials
- Tools & Platforms: Visual Studio Code, Git, WebStorm, Jupyter Notebook
- Cloud Services: Familiar with Azure
- Soft Skills: Problem-solving, Communication, Teamwork, Adaptability

Professional Experience

Internal Attachment – Dedan Kimathi University of Technology

January 2024 – March 2024

- Designed PCBs, enhancing electrical machine performance by 15%, with high efficiency in prototyping and cost reduction.
- Developed a home automation system, reducing energy usage by 30% through motion-based lighting and temperature-controlled fans.

Volunteer – Solar Panel Installation Project, Ngamwa

March 2024 – April 2024

- Led a team in selecting and installing solar hardware, providing sustainable energy to 50+ households in off-grid areas.

Projects

(Full details available in the portfolio)

- Home Automation System
- Crop_Type Predictor Model
- Netflix Movie Data Analysis
- Video Games Era Analysis
- Student Mental Health Data Analysis

Certifications & Achievements

- Cisco CCNA 1, 2, 3, and Cybersecurity Essentials
- Postman API Fundamentals Student Expert
- Waziup IoT Certification
- A2SV 2024 AI for Impact Hackathon – Quarterfinalist
- Completed 30+ coding challenges on LeetCode
- DataCamp Scholarship in Data Science with Python

Education

Bachelor of Science in Telecommunication and Information Engineering
Dedan Kimathi University of Technology,
Kenya
September 2022 – Present

References

Available upon request.