

SAROTA ONDIEKI RAPHAEL

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Github: <https://github.com/Topher254> | Portfolio: <https://sarotaraphael.vercel.app/>

EDUCATION

Jomo Kenyatta University of Agriculture & Technology (JKUAT)

BSc. Telecommunication and Information Engineering - Second Class Honours (Upper Division)
Sep 2020 – May 2025 (Final Year Results Published; Graduation Expected Late 2025)

Cardinal Otunga Boys High School

Kenya Certificate of Secondary Education (KCSE): A- (Minus) 2016 – 2019

WORK EXPERIENCE

Front-End Developer Intern | Nuricha Technologies

May 2024 – Sep 2024

- Developed responsive web applications using React.js and Tailwind CSS.
- Collaborated with design and backend teams to debug and optimize UI components.
- Integrated RESTful APIs for real-time data rendering and component updates.
- Implemented basic accessibility and performance testing tools to ensure optimal user experience.

Radio Section Intern | Kenya Broadcasting Corporation (KBC)

May – Aug 2023

- Maintained and calibrated broadcasting equipment, ensuring 99% uptime.
- Troubleshoot technical issues in collaboration with engineering teams.
- Assisted with signal optimization and routine troubleshooting.
- Participated in frequency monitoring and interference analysis to ensure compliance with communication standards.
- Supported live broadcast setups and helped in maintaining uninterrupted signal transmission during high-profile events.

Telecommunications Intern | Kenya Power Limited Company (KPLC)

May – Jul 2022

- Assisted in installing/configuring telecom equipment and network systems.
- Monitored network performance and resolved outages.
- Participated in fiber optic cable testing and termination using OTDR tools.
- Supported the setup and maintenance of SCADA communication links for grid monitoring.

LEADERSHIP EXPERIENCE

Secretary General – Jomo Kenyatta Gusii Students Association (JGUSA)

Jomo Kenyatta University of Agriculture and Technology (JKUAT)

Nov 2023 – Nov 2024

- Served as the official spokesperson and communications lead for the association.
- Chaired the Welfare Committee, overseeing student support initiatives and advocacy.
- Acted as the primary liaison between the association and the Governor, coordinating development-focused student engagement.
- Drafted official correspondence, meeting agendas, and policy briefs for the executive council.

SKILLS AND INTERESTS

Technical Skills: ArcGIS | Green Energy Systems | React.js | Node.js | Python | Tailwind CSS | C++ | JavaScript | MongoDB | SQL | Pandas | Jupyter | Excel | IP Networking | RF Systems | Fiber Optics | SCADA links | Equipment Calibration

Soft Skills: Excellent written and verbal communication | Leadership and team coordination | Critical thinking and problem-solving | Adaptability in dynamic environments | Strong organizational skills | Conflict resolution | Emotional intelligence | Public presentation | Time management | Collaborative mindset

Interests: Artificial Intelligence | IoT Systems | GIS Mapping | Renewable Energy | Data Analytics | Web Development

REFERENCES

Dr. Omae Oteri COETEC,
JKUAT Chairman,
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Eng. Esther Kenya
Broadcasting Corporation,
Radio Dept Supervisor
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KPLC
HR Manager
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