

Cecilia Theresa Agonga

Computer Science student with a strong passion for Machine Learning, AI, and Data Science. Skilled in developing intelligent systems that utilize ML algorithms to analyze large datasets and enable data-driven decision-making. Currently deepening expertise in Neural Networks, Natural Language Processing (NLP), and Clustering Techniques, with hands-on experience in Python. Additionally, proficient in Android Development, leveraging Jetpack Compose and Kotlin to build intuitive, user-centric mobile applications. Driven by innovation and a commitment to continuous learning in emerging technologies.

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SKILLS

Critical and Analytical Skills	Organizational and Analytical Skills	Problem-Solving & Critical Thinking	Adaptability & Continuous Learning
Project Management	Strong Presentation and Reporting Skills	Time Management & Organization	Communication & Presentation
Training and Development			

TECHNICAL SKILLS

Web Development:	HTML, CSS, JavaScript, and Laravel	Mobile App Development:	Android development using Kotlin and Java
Database Management:	MySQL	Machine Learning:	Applied K-means clustering, KNN, and other algorithms using Python and Pandas.
Data Visualization:	Power BI, Matplotlib, and Seaborn	AI & Deep Learning:	Familiar with neural networks, supervised learning and transfer learning.
Version Control:	Git and GitHub		

PROJECTS

- Web Application for Agricultural Produce:**
- Developed a platform to connect farmers with buyers, reducing post-harvest losses and increasing income.
 - Features included real-time inventory management, secure payments, and data analytics.
- Dummy Spotify App:**
- Built a prototype music streaming app with playlist creation, user authentication, and dynamic recommendations.
 - The project focused on learning media streaming and UI/UX design.
- Waste Management Web Application:**
- Designed an online system for waste collection and recycling, enabling real-time reporting, optimized pickup scheduling, and community awareness initiatives to promote sustainability.

EDUCATION

Bachelor of Informatics and Computer Science
Strathmore University
07/2022 - Present

KCSE
Kenya High School
2018 - 2022

Honors: Grade A (83)

WORK EXPERIENCE

Library Assistant McMillan Memorial Library

01/2024 - 03/2024

Achievements/Tasks

- Successfully assisted customers in locating materials and effectively utilizing library resources, improving user experience and satisfaction.
- Streamlined the organization and shelving of books, ensuring efficient cataloging and accessibility of materials.
- Led a team of 10 individuals in executing daily morning tasks, maintaining cleanliness, dust-free shelves, and a well-arranged library before opening, enhancing the overall library environment.
- Assisted in processing new books, managing returns, and maintaining an updated inventory system.
- Guided patrons in accessing and utilizing digital library resources, improving engagement with e-books and online databases.
- Provided research assistance to students and professionals by helping them locate relevant academic materials.
- Organized and facilitated reading programs, book clubs, and library workshops, increasing community engagement.
- Managed front desk operations, handling inquiries, membership registrations, and resolving patron concerns efficiently.

LEADERSHIP AND MEMBERSHIP

Lead Statistician Technovation Club (2020)	Secretary Mathematics Club (2021)
Lead Navigator Presidents Award Club (2021)	Captain - Basketball /team (2019-2021)
Member of Technovation club (2019-2021)	Member of Mathematics Club (2020-2021)
Member of STEM Club (2020-2021)	

INTERESTS

Machine Learning

AI

Data Science

Programming

Networking

Community Development

Trends in Technology

REFERENCES

Available upon Request