CURRICULUM VITAE

Personal Information

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University: Karatina University
Nationality: Kenyan
Languages: English (Fluent), Kiswahili (Fluent)

Professional Summary

I am an ambitious and detail-oriented Computer Science undergraduate at Karatina University with a passion for innovation, technology, and problem-solving. Over the course of my academic journey, I have built a strong foundation in programming, data analysis, machine learning, and web development. My experience developing software systems, building predictive models, and working on collaborative projects has given me a well-rounded skill set that I am eager to apply in real-world environments. I excel in analyzing problems, designing efficient solutions, and continuously expanding my technical knowledge. I am seeking opportunities for internships, entry-level roles, or freelance projects where I can contribute to impactful initiatives while growing professionally.

Education

Bachelor of Science in Computer Science
Karatina University
(Graduation: 2025)

As a Computer Science student, I have gained a comprehensive understanding of key areas including algorithms, software engineering, database systems, and cybersecurity. My coursework has been complemented by hands-on projects that allowed me to design, implement, and test real-world solutions. I have also developed leadership and teamwork skills through active participation in university tech clubs and group assignments, preparing me for professional environments.

Kenya Certificate of Secondary Education (KCSE)
Njenga Karume Secondary School
(Year Graduated: *2020*)

At Njenga Karume Secondary School, I excelled in science and mathematics, achieving an A in Mathematics and a B in Physics. These grades reflect my strong analytical and problem-solving abilities, which laid the groundwork for my interest in computing and technology. My high school experience also developed my communication skills, discipline, and ability to work under pressure, all of which have contributed to my success in higher education.

Technical Skills

I have acquired a robust technical toolkit through my studies and self-learning. I am proficient in **Python, Java, C, and C++**, with experience in **web development** technologies such as HTML, CSS, JavaScript, and Flask. I am skilled in **database design and management** using MySQL and SQLite, and I have a strong foundation in **machine learning** concepts such as data preprocessing, predictive modeling, and feature engineering. Additionally, I am comfortable working with **Git and GitHub for version control**, as well as using tools like Visual Studio Code, PyCharm, and Jupyter Notebook. My exposure to both Windows and Linux environments has strengthened my adaptability in diverse technical settings.

Projects & Experience

Fake User Profile Detection System *(2025)*
In this project, I developed a machine learning model using Support Vector Machines (SVM)and Random forest to identify fake social media profiles based on user activity patterns. I designed a simple web interface where users can input data and receive predictions in real time. This project sharpened my skills in feature engineering, data preprocessing, and integrating machine learning models into a usable interface.

Club Membership Management System *(2025)*
I built a comprehensive club management system for Victory School to help administrators manage student memberships, track finances, and maintain inventory. Using Flask and SQLite, I implemented a user-friendly dashboard that generates analytical reports. This project helped me understand full-stack development principles and practical database design.

Titanic Survival Prediction (Data Science Project) *(2024)*
I worked with Kaggle's Titanic dataset to build predictive models using Python. Through data cleaning, visualization, and algorithm testing, I improved prediction accuracy while developing a

deeper understanding of data science workflows. This project demonstrated the value of data-driven decision-making and enhanced my interest in analytics.

Achievements

I have contributed to open source projects gaining valuable experience in collaborative software development. My lecturers have recognized my exceptional programming abilities and dedication, particularly in algorithm design and database systems.

Leadership & Extracurricular Activities

Outside of academics, I am an active member of the universitytech club where I participate in coding challenges, workshops, and hackathons. As a volunteer, I have also taught basic computer literacy and programming to students in my community, helping bridge the digital divide

Hobbies & Interests

I am deeply interested in Artificial Intelligence and its real-world applications, often reading research papers and experimenting with AI models. Outside of tech, I enjoy playing checkers, writing tutorials on programming, and participating in technology meetups to network and share knowledge.

References

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