



# ALVIN KIBET RUTO

## STUDENT

+254 713 272 166 alvinandy16@gmail.com 58-30100, Eldoret, Kenya 28th July, 1999 Kenyan

## Education

**Computer Science and  
Engineering School | Bachelor of  
Business Information  
Technology** September 2022 - Present

**Strathmore University, Nairobi, Kenya**

My coursework has focused Business administration as well as on web design with CSS, JavaScript, Bootstrap, and React; API development using Node.js, Flask, and Django; and database management with SQL, MySQL, PostgreSQL, MongoDB, and ClickHouse. I have also studied Power BI for business intelligence, network configuration and security, cloud computing, and containerization. Additionally, I am experienced in machine learning and cryptography.

## Skills

Leadership & Strategic Planning

Programming & Development

Networking

Data Analysis & Visualization

Web & API Development

Communication & Collaboration

## Language

English

Swahili

German

## About me

Dynamic leader, software developer, and data scientist pursuing a Bachelor of Business Information Technology at Strathmore University. President of the German Club Experienced in cryptography, machine learning, Containerization, data engineering, Unity game development, and cloud-based IT solutions. Skilled in bridging business, and technology through innovative projects. Strong record of leadership in Chemusian cooperative, university club, and community-driven initiatives. I engage in projects that bridge agrbusiness needs with technology, preparing me to contribute effectively to innovative companies. I am passionate about agriculture.

## Experience

**CTO, Chemusian Dairy Farmers Cooperative**

Jan 2023 - Present

Eldoret, Kenya

- Led the cooperative in implementing sustainable agricultural practices and innovative solutions to improve dairy farming productivity.
- Spearheaded technology-driven strategies that streamlined operations, enhanced member engagement, and drove revenue growth

**Intern – IT Enterprise & Smart City Solutions, Konza Technopolis**

Konza Technopolis

Feb 2025 – May 2025

- Developed IT standards and guidelines for software development lifecycle.
- Designed IT solutions with blockchain, AI, IoT, and cloud computing to enhance citizen services.
- Maintained Konza Cloud services (PaaS, SaaS, IaaS, private/public cloud).
- Implemented migration strategies for customer workloads.
- Supported deployment, data migration, and infrastructure upgrades.
- Recognized for independence, problem-solving, and communication skills.

**Intern, Data Science Academy**

iLab Africa, Nairobi, Kenya

Feb 2023 - Aug 2023

- Gained extensive experience with tools like Google Earth and Power BI, contributing to projects.
- Played a crucial role in data analysis, generating insights that informed strategic decisions in sustainability projects.

**Co-Founder, ACH**

Nairobi, Kenya

Feb 2024 - Present

- Founded a youth-driven initiative focusing on integrating technology in agriculture to enhance sustainability and innovation in African farming practices.
- Led projects aimed at solving agricultural challenges through the application of modern technology

# Hobbies

- Writing
- Playing Basketball
- Travelling

# Volunteering

**Kenyatta National Hospital**  
Nairobi, Kenya

Jan 2023 - May 2023

- Provided customer service at wards, day care unit, and corporate clinic
- Attended to patient inquiries and directed them to relevant departments
- Ensured quality healthcare service delivery
- Maintained patient records and managed appointment schedules
- Communicated with hospital staff for efficient patient care
- Assisted nurses and doctors with patient handling and record management

# Projects(Git Hub - Alvin-Ruto)

- AES Encrypted Messenger: Python-based secure communication tool with AES encryption, OTP verification, and Tkinter UI.
- AgriTrack 2.0: Django-based dairy management system with automated milk record keeping, user logins, and reporting.
- Code Freaks Game (Code Rush): 2D Unity puzzle game where players match animated fish; implemented gameplay logic in C#, ShaderLab, and HLSL.
- ZIRAA: Agri-commerce super app integrating marketplace, logistics, cooperatives, AI-driven analytics, chat, and payments (Django + React + Docker + MongoDB + Kafka).
- Machine Learning Served on a UI Dashboard: Flask + Docker + NGINX system serving multiple ML models (classification, regression, clustering, recommendations) with real-time monitoring. An algorithm for a Business recommendation system