

Allen Kayesu

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EDUCATION

New York University

Bachelor of Arts in Computer Science, Minor in Applied Mathematics

Aug. 2022 – May 2026

Abu Dhabi, UAE

RELEVANT COURSES

- Data Structures
- Algorithms Analysis
- Web Design
- Computer System Organization
- Data Science
- Linear Algebra
- Software Engineering
- Computer Networks

EXPERIENCE

Data Analysis Intern

Rwanda ICT Chamber

June 2024 – Aug. 2024

Kigali, Rwanda

- Conducted comprehensive data analysis on startup performance metrics, identifying key areas of strength and weakness, enabling tailored support strategies for over **20 startups**.
- Streamlined data collection processes and automated reporting systems, reducing manual workload and enhancing the accuracy of startup evaluations.
- Managed project timelines and documentation to ensure that all phases of the project were completed on schedule.

Research Assistant

Genetic Heritage Group

Aug. 2023 – June 2024

Abu Dhabi, UAE

- Conducted research into genetic diversity using advanced **admixture analyses** and **Principal Component Analysis (PCA)**, uncovering key insights into genetic ancestry, population structures, and their evolutionary histories across diverse populations.
- Developed pipelines for data processing and analysis, allowing for efficient and accurate interpretation of complex genetic data sets.

Tech Salaries App

NYUAD

Mar. 2024

Abu Dhabi, UAE

- Developed a "Tech Salaries App" using **Python, Pandas, Looker Studio, and Streamlit**, integrating linear regression models to predict annual base salaries based on one's years of experience, geographical location, and employer.
- Designed user-friendly dashboard with **Streamlit** enabling personalized salary predictions based on the factors above.

PROJECTS

Inventory Management System | *Express.js, MongoDB, HTML, CSS*

June. 2024 –Present

- Created a full-stack inventory management system using **HTML/CSS** front-end, **Express.js** back-end, and **MongoDB** database.
- Implemented **CRUD** functionalities for product management, stock levels and order history to improve inventory management efficiency.
- Utilized **REST APIs** to optimize client-server interaction ensuring efficient data handling and real-time inventory updates.

Hotel Finder Application | *C++*

September 2022

- Developed a Hotel Finder application in **C++**, enabling efficient search functionality for hotels across various cities, designed for optimal user experience. The application integrated advanced data structures, like hashing and binary search trees, to expedite hotel retrieval based on location and star ratings.

TECHNICAL SKILLS

Languages: C/C++, Python, JavaScript, HTML/CSS

Frameworks/Libraries: React, Node.js, React Native, Express.js, pandas, NumPy, Matplotlib

Developer Tools: Power Bi, Looker studio, Streamlit, Github, VS Code, Visual Studio

SKILLS

Ability to work in a team and independently.

Good at time management and ability to work under stressful situations.