IHOGOZA VALENTINE

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SUMMARY

A data enthusiast with a strong interest in data analytics, data science, machine learning, databases, software engineering, cybersecurity, critical thinking, and decision-making for solving global business problems, especially in Africa. I quickly adapt to change; a flexible worker will benefit the company significantly in a world where technology is growing by leaps and bounds. Additionally, I am a quick learner, obedient, ambitious, and conscientious. You will not regret hiring me; I have never let down a person who trusted me.

EDUCATION

Carnegie Mellon University College of Engineering   **Kigali, Rwanda**
Ms. Information Technology, Specialization: Data Science, Applied Machine Learning, Database Management System   *May 2024*

Adventist University of Central Africa   **Kigali, Rwanda**
Bs. Information Technology, Specialization: Software Engineering   *Nov 2022*

EXPERIENCE

Carnegie Mellon University   **Kigali, Rwanda**
Research Assistant   *January 2024 - May 2024*
- Conducted online health information research focusing on pregnancy information themes available online in Kinyarwanda.
- Utilized Natural Language Processing - topic modeling technique and a coherence score of 0.71 for 5 topics were achieved.
- Evaluated the findings using the Health Information Website Evaluation Tool (HIWET), and prepared the final manuscript.

Carnegie Mellon University   **Kigali, Rwanda**
Graduate Teaching Assitant(TA)   *August 2023 - December 2023*
- Covered different database(BD) topics: SQL/NoSQL, Active DB, transaction systems, and concurrency control among others.
- Review lecture notes, lecture slides, problem sets, and other class-related materials before they are presented.
- Grade tests and problem sets according to standards provided by the professor within a tight deadline for a class of 23 students.

Adventist University of Central Africa(AUCA)   **Kigali, Rwanda**
Graduate Teaching Assitant(TA)   *June 2023 - August 2023*
- Worked as a TA in the Advanced Database Management System course in the Big Data Analytics master's program at AUCA.
- Assisted 36 students; covered topics including Relational/Non-relational DB, active DB, distributed DB, and DBs for big data.
- Prepared, graded assignments, taught, and reviewed lecture notes; 35/36 students passed, earning professor's appreciation.

Carnegie Mellon University   **Kigali, Rwanda**
Graduate summer Intern   *May 2023 - August 2023*
- Worked on a Conversational AI research project; to identify available parenting and pregnancy information in Kinyarwanda.
- By using data scraped from the web, 2 AI techniques: topic modeling and sentiment analysis, were used for the research.
- Collaborated in a team of two with a Professor to analyze data and draft the findings.

LEADERSHIP & ADDITIONAL EXPERIENCE

Klab Startups Academy   **Kigali, Rwanda**
First Cohort   *October 2021 - January 2022*
- Participated in the development of ISUZUME, facilitating health record management and sharing between doctors and patients.
- Contributed to ChildTech, using Python Django for the backend, focusing on robotics courses for children interested in tech.
- Prepared and delivered a pitch of the ISUZUME idea to the Minister of ICT in Rwanda.

Code+Design Camp   **Kigali, Rwamda**
Coach   *October 2019 - December 2019*
- Trained individuals from various universities, including AUCA, in Figma design and Thunkable programming language.
- Helped the trainees to design the E-Vent application for users to discover and book events of their interest using Figma.
- Served as a coach leader, and led the graduation preparation team for the third cohort of the camp.

SKILLS & INTERESTS

Technical: Proficient in Python(Django, Numpy, Sklearn, Scipy, Pandas, matplotlib, seaborn), Power BI (DAX), Tableau, SQL(SQL server, Postgres SQL, MySQL), NoSQL(XML, MongoDB), Shell Scripting, C/C++, Java.
Languages: English (fluent), French (beginner), Kinyarwanda (native)
Additional Interests: Quantum computing, philosophy, singing, swimming, and mountain biking

CERTIFICATIONS

FreeCodeCamp - Data analytics Bootcamp certificate of completion; Coursera - Data Science Orientation, Python for Data Science, AI & Development, Data Science introduction; Udemy - Machine Learning: Natural Language Processing in Python(V2); Codecademy - Python3; Klab Startups Academy - Certificate of completion; Code+Design Camp - Coach.