SSENTONGO ZAKIYU

A results-oriented Computer Science student with expertise in cybersecurity, data science, and web development, passionate about using AI for social impact.

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EXPERIENCE

[Merit inovators](#)

June '2024 - present

CEO and founder

Developed and currently manages a blog website, overseeing content creation, technical implementation, and updates.

SmartLife Foundation, UAE
July 2024 - August 2024

- Analyzed large datasets to assess the impact of the foundation's programs, using AI and machine learning techniques to derive insights.
- Enhanced user experience on the foundation's website by implementing responsive design and optimizing performance.

Freelance Web Developer, Uganda
July 2022 – Present

- Designed and developed websites for small businesses, enhancing their online presence and customer engagement.
- Integrated AI-powered plugins to enhance SEO and optimize loading speeds by 30%

Data Analyst Intern, Edudite Educational Consultancy, India
November 2023 – May 2024

- Conducted data analysis on educational performance metrics, providing insights to improve teaching methodologies and student outcomes.
- Utilized Python, SQL, and R for data cleaning, analysis, and visualization to support strategic decision-making.
- Collaborated with educational consultants to develop data-driven reports and presentations.
- Led extracurricular activities aimed at improving students' critical thinking and teamwork skills.

SKILLS

Artificial Intelligence & Machine Learning:

- Supervised & Unsupervised Learning, Neural Networks, Data Preprocessing
- Tools: TensorFlow, Scikit-learn, Pandas

Programming Languages:

- Python, R, C++, JavaScript

Data Analysis & Visualization:

- **Tools**: Tableau, Power BI, MySQL, Advanced Excel/Google Sheets
- **Programming**: Python (for data analysis), R

Web Development:

- Frameworks & Tools: Django, HTML, CSS, JavaScript

Operating Systems:

- Windows,
- Linux (with Bash scripting)

Cybersecurity:

- Network Security,

EDUCATION

Lovely Professional University, India
Bachelor of Science (Hons) in Computer Science
July 2022 – Present

- **Percentage:** 76.7%
- **Expected Graduation Date:** July 2025
- **Relevant Coursework:** Artificial Intelligence, Machine Learning, Cybersecurity Principles, Data Structures and Algorithms, Network Security, Advanced Web Development

Sharjah Islamic Secondary School, Uganda
Higher Diploma
February 2019 – November 2020

- **Uganda Advanced Certificate Of Education**
    - **Major:** Physics, Economics, Mathematics, and Computer Studies
    - **Percentage:** 78%

Secondary Education, Uganda
February 2015 – November 2018

- **Uganda Certificate of Education (UCE)**
    - **Percentage:** 79%.

PROJECTS

- **AI-Based Predictive Analysis for Customer Behavior:**
  Utilized machine learning algorithms in Python to analyze customer behavior and predict future trends. Developed models using Scikit-learn to enhance marketing strategies. *(May 2024)*
- **Google Data Analytics Capstone Project:**
  Conducted extensive data analysis using Python and SQL on Google datasets, deriving actionable insights. This project emphasized the practical application of data science in real-world scenarios. *(December 2023)*
- *Global Superstore Analysis: Analyzed the Global Superstore dataset using Tableau to create interactive dashboards, highlighting sales performance and customer behavior. Delivered actionable insights through visualizations, enhancing data-driven decision-making in retail (Nov'2023)*
- **Neural Network for Image Classification:**
  Designed and implemented a neural network model using TensorFlow to classify images into various categories, achieving high accuracy. This project reinforced my understanding of deep learning. *(March 2024)*

- Data
- Security, Risk Assessment

AWARDS

First Tracker: C++ Problem Solving Competition (May 2023)

LANGUAGES

- **English:** C1
- **Arabic:** B1

Interests

- Applying AI and ML in Scientific Research
- Blogging and Vlogging about Technology Trends

Certifications

Linux

Comptia Network+ – Nov'2024

Comptia Security + – Nov'2024

- **Community Development Project:**
  Applied data visualization techniques to analyze environmental degradation. This project showcased my ability to use AI tools for social impact. *(May 2023)*
- **Basic Network Scanning Tool:**
  Developed a Python-based tool using Nmap to enhance network
- security by identifying vulnerabilities. *(March 2024)*
- *Wifi checker project*
- Machine Learning Model using Decision Tree To determine the music enjoyed by different Age Groups with 91 % accuracy
- Machine learning model To monitor Sickle Cell Anemia disease