BELLO SALIM

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Objective

Passionate computer science graduate with enthusiasm for cutting-edge research, committed to advancing technology and eager to contribute to the community through innovative solutions. Utilizing hands-on experience in coding, leadership and outreach initiatives to drive positive change.

Education

Gombe State University, Gombe   **2024**
Bachelors Degree of Science, Computer Science
- CGPA: 4.75 / 5.00
- *Final Year Project:* "Traffic Violation Detection Using Computer Vision"
- *Supervisor*: Dr. Mustapha Ismail

Victory Unity College, Biu   **2017**
West African Senior Secondary School Certificate Examination (WASSCE)

Lajada Nursery/Primary School, Biu   **2011**
First School Leaving Certificate (FSLC)

Experience

Intern/SIWES, National Information Technology Development Agency, North-East Zonal Office, Gombe | March 2022 – September 2022
- Training Assistant in a capacity-building program, responsible for training 100 police officers.
- Led IT upgrade initiative for 200+ computers, ensuring seamless and efficient system enhancement.
- Gained hand-on experience in Python programming, covering fundamentals and advance concepts for machine learning.
- Completed mini-projects, applying Python skills to real-world problems and demonstrating practical understanding.

Software Director, Google Developer Student Club, GSU chapter, | December 2022 – June 2023
- Enhanced technical skills through workshops, coding sessions, and mentorship.
- Managed projects and events, fostering teamwork and organizational skills.
- Participated in a coding challenge addressing an SDG goal related to agriculture, contributing to sustainable solutions.
- Improved communication and presentation skills through workshops and public speaking.

Teaching Experience

Programming Instructor (Volunteer)
- Taught C++ and Visual Basic programming languages to a group of women, promoting diversity in tech.
- Developed and delivered engaging lesson plans, adapting to learners' needs.

Peer Tutor (Undergraduate)
- Mentored juniors in courses like Linear Algebra and Mathematical Methods, fostering academic growth.
- Demonstrated patience, empathy, and strong communication skills.

Leadership Experience

Millennium Fellow, Class of 2023 | August – December 2023
- Civic leadership program presented by the United Nations Academic Impact and MCN.
- Selected as a Millennium Fellow out of 44,000+ applicants worldwide.
- Engaged in 10 leadership sessions to cultivate core values of empathy, humility, inclusion in leadership and social impact.
- Built global network through MCN Millennium Fellowship.

Election Chairman, ICT Club (Gombe State University) | 2023
- Successfully resolved a year-long crisis that had hindered club activities, revitalizing the club's operations.
- Spearheaded a successful election process, ensuring transparency, fairness, and member participation.
- Achieved a smooth transition of power, ensuring the club's continued growth and development.

Conference Attended

1st International Conference on AI by Iconic Open University & Sokoto State University, Sokoto State 2024.
Theme: *Artificial Intelligence (AI) and The Future of Academia; Leaving or living the trend.*

Technical Skills

Languages: Python, Java, C, C++, HTML/CSS, Javascript and SQL.
Data Analytics Libraries: Pandas, Matplotlib and Seaborn.
Computer Vision / Machine Learning Libraries: OpenCV and Tensorflow.
Developer Tools: VS code, Pycharm and Jupyter Notebook.

Technical Projects

Traffic Violation Detection Using Computer Vision

- Developed a computer vision system using OpenCV to detect various traffic violations such as speeding and red light violations.
- Implemented object detection algorithms to identify vehicles, pedestrians, and traffic signals in real-time video streams.
- Presented the project findings and demonstrated the prototype to faculty members, receiving positive feedback on its potential impact in enhancing traffic safety.

Data Analysis Projects

Visualizing the History of Nobel Prize Winners

- Discovered the most common gender and birth country of Nobel laureates
- Analyzed the proportion of US-born winners over time, identifying the decade with the highest concentration of US-born laureates, which may reflect geopolitical or scientific influence trends.
- Applied statistical and data manipulation methods using Python libraries such as pandas and seaborn to clean, analyze, and visualize historical Nobel Prize data effectively.

Exploring NYC Public School Test Result Scores
- Calculated average total SAT scores and identified the top 10 schools exceeding this average.
- Analyzed SAT score variability by borough, finding Manhattan with the highest standard deviation.
- Used pandas for data manipulation to compute and visualize SAT performance metrics.

Awards and Scholarhips

NNPC/Chevron Joint Venture Merit Scholarship
- Awarded the NNPC/Chevron Merit-Based Bursary Scholarship by NNPC in recognition of outstanding academic performance.

Referees

Available on request.