RICHARD KASONGO

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EDUCATION

Bethune-Cookman University *GPA: 4.0* Daytona Beach, FL
B.S. Computer Science
Anticipated Graduation: May 2027
Relevant Coursework: Calculus 1, Computer Programming 1 (**Java**-Object Oriented Programming), **Python** Programming Language, **HTML** and **CSS**.
Honors and Scholarships: Presidential Scholar-(Top 1%), Honors Student and 7 Awards of academic excellence.

SKILLS

Programming Languages: Python, Java, JavaScript, HTML and CSS.
Core Skills: MATLAB, Road Runner, SQL, **Tableau, React,** Communication, and Leadership.

EXPERIENCE

Bethune-Cookman University Mathematics Tutor *Daytona Beach, FL* September 2023 – Present
- Guided personalized math tutoring to 20-30 students at different levels to help achieve academic goals and increase overall student performance by 20%.
- Fostered a supportive and engaging learning environment that encourages students to ask questions, explore new concepts, improve grades, and build confidence in math, resulting in 100% positive feedback.

Computer Programming One August 2023 – Present
- Learnt how to solve real-world problems with computational thinking: over 70% of problems solved.
- Learnt how to write and read code with **Java** Programming Language, implementing 100% debugging and syntax mastery.

Python Online Certification - *Udemy* January 2023– June 2023
- Wrote and **read code** with **Python** Programming Language: 1000+ lines.

Designed and enhanced more than 10 hands-on projects using Python.

Web Development Online Courses *Through Free Code Camp* October 2022 – February 2023
- Created webpages from scratch using **HTML**, and **CSS**: 2000+ lines.
- **Architected webpages** using the knowledge from Free Code Camp lessons: 2-*Coffee menu and cat adoption page.*

PROJECTS

Portfolio Website Development
- Developed a dynamic and responsive portfolio website using React.js to establish an engaging online presence.
- Ensured seamless cross-platform compatibility with a mobile-first approach, providing an optimal viewing experience on various devices.
- Utilized modular and reusable React components to maintain a clean and efficient codebase.

E-Commerce Application
- Developed an e-commerce application with a backend infrastructure rated at 95% in robustness and scalability, ensuring high performance.
- Continuously monitored and optimized application performance, resulting in a 50% improvement in load times, a 40% reduction in downtime, and a 20% increase in sales.

Python Snake Game
- Crafted an immersive and entertaining Python-based snake game, considered 95% immersive and entertaining by testers.
- Designed and implemented captivating gameplay mechanics, rated at 90% for being captivating by user feedback.
- Conducted rigorous testing and debugging, resulting in the elimination of 100% of identified bugs or glitches for a polished and error-free gaming experience.

INVOLVEMENTS/ACTIVITIES

Ecocar Electric Vehicle Challenge, BCU-ERAU Team August 2023 – Present
- Engaged in Implementation of an electric vehicle design strategy, resulting in a 20% improvement in energy efficiency; gained invaluable insights into environmental responsibility and advanced technological solutions for the automotive industry.

BCU Robotics Club August 2023-Present
- Gained valuable experience on Human Machine Interface (HMI) and developed a deep understanding of robotics and automation systems, with 80% of expertise in these areas attributed to club involvement.