

MUCYO IVAN

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ABOUT ME

A dedicated high school student with a strong passion for technology, innovation, and mathematics. Excelling academically and actively engaging in competitions and hackathons, I am always eager to learn and apply my skills to solve real-world problems and make a meaningful impact.

TECHNICAL SKILLS

Programming Languages: Proficient in JavaScript, Node.js, PHP, Java, React.js, TypeScript, and Python.

Frameworks & Libraries: Skilled in Express.js, Django, TensorFlow, and Bootstrap.

Tools & Platforms: Experienced with Figma, Git, SQL, and MongoDB, with a solid understanding of information architecture.

AI & Machine Learning: Knowledgeable in Natural Language Processing, Neural Networks, and Predictive Modeling.

PROFESSIONAL EXPERIENCE

Software Engineer, Code Alpha

Jan 2023 - Present

- Led development of an advanced automation system, achieving a 15% increase in operational efficiency.
- Streamlined manufacturing processes, reducing production costs by 10%.
- Implemented preventive maintenance strategies, resulting in a 20% decrease in equipment downtime.

Web developer, IREMBO

Feb 2024 - Present

- Developed backend systems for efficient large-scale data management.
- Enhanced software reliability with user-centric designs and rigorous performance testing.
- Provided technical expertise, contributing to a 15% reduction in system failures.

EDUCATION

A-Level (Senior High School)

Oct 2023 - Aug 2026

School: Rwanda Coding Academy, Rwanda

Course: Software Programming and Embedded Systems (SPE)

O level (Junior High School)

Jan 2020 - Aug 2023

School: Riviera High School

Course: General Studies for O level education

Primary Education

Jan 2014 - Dec 2019

School: Rafiki International School

Course: Primary Education

PROJECTS

- **AI-Powered Educational Platform:** Created a machine-learning model for personalized learning paths, boosting engagement by 30%.

- **Smart Home Automation System:** Designed an IoT solution with AI for efficient device control and energy savings.
- **E-commerce Web Application:** Built a scalable platform with React.js, Node.js, and MongoDB, enabling secure payments.

AWARDS AND ACCOMPLISHMENTS

- **Intercontinental Spelling Bee Winner (2019):** First place in Dubai's prestigious competition.
- **East African Debate Champion (2019):** Won the championship in Mombasa, Kenya.
- **RCA Hackathon Champion (2024):** First place for innovative solutions at Rwanda Coding Academy.
- **Best Intern at CodeAlpha (Dec 2024):** Recognized as the top-performing intern.
- **Most Disciplined Student (2022–2023):** Honored for outstanding conduct and academic excellence.
- **Academic Excellence Awards:** Multiple-term awards for highest performance in O-Level and A-Level.

CERTIFICATIONS

- JavaScript Essentials – NextWave
- Python Advanced Programming – NextWave
- AI Fundamentals – Coursera
- Web Development – Code Alpha
- Intro to Cyber – Cyberium
- Linux Fundamentals – Cyberium
- Network Research – Cyberium
- Python Fundamentals – Cyberium

EXTRACURRICULAR ACTIVITIES

- Member of the STEM and AI Club, actively contributing to innovative projects.
- Participated in the National Robotics Challenge, working on autonomous navigation.
- Volunteer tutor for underprivileged students, teaching programming and math.
- Editor of the school's tech newsletter, writing on emerging technology trends.
- President of the Debate Club, leading discussions and representing the academy

REFERENCES

1. EMILY Carter
Code Alpha
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2. John KABERA
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Declaration:

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief.