

## SUMMARY

Enthusiastic and driven Computer Engineer with proficiency in Python and JavaScript, alongside a strong background in web development and data science. Experienced in designing and deploying innovative software solutions through hands-on internships and academic projects. Adept at problem-solving, collaborating within team environments, and adapting quickly to new technologies. Committed to continuous learning and professional growth, with a keen interest in contributing to dynamic software development teams.

## EMPLOYMENT HISTORY

### Data Science & Web Intern, Zidio August 2024 — Present

- ✓ Analyzed project data and created summaries to support decision-making.
- ✓ Cleaned and transformed data, ensuring high-quality datasets.
- ✓ Used Excel functions to enhance performance monitoring and reporting accuracy.
- ✓ Developed backend services with JavaScript (Node.js), optimizing server performance and scalability.
- ✓ Integrated databases and managed server configurations for improved security and efficiency.

### Software Intern, NetLabs!UG June 2023 — Sept 2023

- ✓ Built a smart irrigation system using Python and TensorFlow, increasing crop yield.
- ✓ Developed a machine learning model to analyze real-time sensor data and optimize irrigation patterns, resulting in a 30% reduction in water usage and more efficient resource consumption.
- ✓ Gained experience with embedded systems, networking, Python, and machine learning.

### Software Intern, EvoTech Solutions June 2022 — Sept 2022

- ✓ Developed user interface components for a school management system using React.
- ✓ Implemented interactive features, enhancing user experience and functionality.
- ✓ Strengthened skills in HTML, CSS, and JavaScript.

## TECHNICAL SKILLS

**Programming Languages:** Python, JavaScript, SQL

**Web Development:** HTML, CSS, React.js, Node.js, APIs

**Data Science:** Data Analysis, Data Visualization, Machine Learning

**Databases:** MySQL, PostgreSQL, MongoDB

**Tools:** Git, GitHub, Linux, Jupyter, Excel, Power BI

**Design:** Figma, Adobe Illustrator & Photoshop,

## SOFT SKILLS

Problem-Solving   Adaptability   Communication   Teamwork   Time Management   Quick Learner

## EDUCATION

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### **Bachelor of Science in Computer Engineering**

Makerere University, Kampala, Uganda

### **Uganda Advanced Certificate of Education**

St. Peter's College, Tororo Back-End Development

## PROJECTS

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### **Smart Irrigation System**

**Python, TensorFlow, Flask**

Developed a smart system integrating machine learning to optimize water usage based on real-time sensor data, reducing water consumption by 30%.

### **Blog Website**

**Node.js, HTML, Bootstrap**

Created a dynamic blog platform with features for adding, editing, and deleting posts. Designed a responsive and user-friendly interface.

### **Voice-Controlled Wheelchair**

**Python, Embedded Systems, TensorFlow**

Engineered a voice-activated wheelchair system using speech recognition, enabling hands-free control for users with physical impairments significantly improving accessibility.

## REFERENCES

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### **Ms. Bernah Namulyowa from NetLabs!UG**

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### **Mr. Okello Wayne from Makerere University**

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