

Emmanuel Ahishakiye

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EDUCATION

University of Rochester

Rochester, NY

Major: BS, Computer Science and Business

Anticipated May 2027

Relevant Coursework

- Data Structures & Algorithms, Artificial Intelligence, Computation and Formal Systems, Programming in Java, Calculus II and Discrete Math, Financial Accounting, Financial Management, Marketing and Intermediate Economics

TECHNICAL SKILLS

- Programming Languages:** Python, Java, JavaScript, Dart, C++, C, TypeScript
- Frameworks & Libraries:** React, Node.js, Django
- AI:** Chatbot integration, Model deployment
- Databases & Tools:** MySQL, SQL, Git, AWS

WORK EXPERIENCE

University of Rochester Campus Libraries

Rochester, NY

Student Supervisor

April 2024 – Present

- Trained and onboarded **new staff members**, improving team efficiency by **25%** through optimized workflows and streamlined clerical processes.
- Supervised daily library operations, resolving of technical issues, ensuring smooth and efficient services.
- Key Technologies:** Library Management System, internal tools, team management

Jackal Tech Ltd

Kigali, Rwanda

Founder & CTO

November 2019 – Present

- Managed and supported 500+ **students and graduates**, leading the development of **20+ cutting-edge software programs**, with a **90% project success rate** and adoption across diverse industries aimed to impact **50,000+ users** globally.
- Achieved **101.6% staff growth** through strategic talent acquisition, recruiting **200+ professionals**, and positively impacting **5,000+ individuals** globally in 2024.
- Led AI and Robotics training for educators and students in collaboration with Afribot Robotics Ltd, ZM Robo, and Dassault Systèmes contributing to the **World Robot Contest 2024**.

Code 2040

New York, NY

Fellow

September 2024 – Present

- Collaborated with diverse peers and mentors to develop innovative technological solutions, driving a **20% improvement** in project efficiency and fostering cross-disciplinary collaboration.

ColorStack

New York, NY

Fellow

May 2024 – Present

Strengthened technical skills through collaborative projects, promoting diversity in tech and achieving a **15% improvement** in team project outcomes via community-driven learning initiatives

Headstarter AI

San Francisco, CA

Software Engineer

June 2024 – October 2024

- Developed AI-driven chatbots and user management systems, improving model scalability by **30%** and deployment reliability by **25%**, enhancing overall system performance.

Piyata Ltd

New York, NY

Software Engineer Intern

May 2024 – August 2024

- Built cross-platform web and mobile app with Flutter/Dart, integrating Python backend and Node.js APIs, increasing data handling efficiency by **20%**.
- Implemented caching techniques, reducing app loading times by **15%**, improving user experience and retention
- Key Technologies:** Flutter, Dart, Python, Node.js, REST APIs, AWS, Version Control Systems,

INDEPENDENT PROJECTS

Pro Reserve App

New York, NY

Software Engineer

October 2024- Present

- Developing **Pro Reserve**, an AI-driven decentralized platform for reservations in African countries, leveraging **ReactJS, JavaScript, CSS, PHP, Python, and Dart** to improve booking efficiency by **40%**, targeting **millions of users** across events, rides, and hospitality.

Jackal Tech Web App

New York, NY

Software Engineer

June 2024- September 2024

- Built and deployed Jackal Tech’s official platform using ReactJS, Python, Node.js, MySQL, and AWS, enhancing front-end responsiveness and backend reliability
- Optimized database queries and AWS scalability, reducing page load time by **40%** and increasing user engagement by **30%**.
- Key Technologies:** JavaScript, ReactJS, Python, Node.js, MySQL, AWS, Chatbot integration

LEADERSHIP ACTIVITIES- University of Rochester

- Developer, Video Game Dev Team
- Chapter Associate, National Society of Black Engineers (NSBE)
- Team Leader, Policy and British Parliamentary Debate, Debate Union

AWARDS

- Handler Scholar:** Recipient of the University Leading Handler Scholarship given to less than 1% of the students
- Lefrak-Friedberg Scholarship** – Attended two summits and visited Citadel, Goldman Sachs, Bank of America, Jefferies Robinhood, Fox News, JP Morgan, Fiduciary Trust, Fox News and NYFA in New York City for both 2024 and 2025
- Top 6 Finalist** – Global HackingDigitalSkills4Jobs Hackathon 2022; recognized by the International Telecommunication Union among 502 teams for innovative tech solutions
- Certified** – Python Programming from Carnegie Mellon University CS Academy, completed a comprehensive 4-year program