Emmanuel Ahishakiye

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EDUCATION

University of Rochester (UR)	Rochester, New York
Major: *BS, Computer Science and Business*	*Anticipated May 2027*

Relevant Coursework: Data Structures & Algorithms, Discrete Math, Programming in Java, Computation and Formal Systems, Financial Accounting, Calculus, Principles of Marketing & Principles of Economics

TECHNICAL SKILLS

- **Languages: Python, C++, C, Java, JavaScript, Dart, CSS, TypeScript**
- **Interests:** AI& Robotics, Web App Development, Mobile App optimization, FinTech
- **Frameworks & Libraries: React, Node.js, Django**
- **AI:** chatbot integration, model deployment
- **Databases: MySQL, SQL**
- **Tools: Git, AWS**

WORK EXPERIENCE

Piyata Ltd	New York, NY
Software Engineer Intern	*May 2024 – August 2024*

- Engineered cross-platform mobile applications using **Flutter** and **Dart**, enhancing multi-device functionality by integrating **Python** backend and **Node.js** APIs to streamline data handling
- Optimized core functionalities by implementing advanced caching techniques, reducing app loading times by 15%
- **Key Technologies:** Flutter, Dart, Python, Node.js, REST APIs, AWS

University of Rochester Campus Libraries	Rochester, New York
Student Supervisor	*April 2024 – Present*

- Enhance team capabilities, training new staff and streamlining clerical processes, boosting operational excellence.
- Supervised library operations and assisted in managing technical issues.

Key Technologies: Library Management System, internal tools, team management

Jackal Tech Company Limited	Kigali, Rwanda (Remote)
Founder, Spokesperson & CTO	*Nov 2019 – Present*

- Founded and led the company, overseeing the development of tech-driven projects in **AI** and **Robotics**; partnered with **Afribot Robotics** to train students and educators for the **World Robot Contest 2024**
- Mentored over 300 global fellows, apprentices and interns in practical tech applications, managing full project life cycles from concept to deployment.

Headstarter AI	San Francisco, California (Remote)
Software Engineering Fellow	*July 2023 – Present*

- Collaborated on a team project focused on integrating AI-driven chatbots and user management systems to enhance model scalability and deployment reliability.

Code 2040	New York, NY (Hybrid)
Code2040 Fellow	*Sept 2024 – Present*

- Collaborate with peers, mentors, and leaders from diverse backgrounds to foster innovation and drive impactful technological solutions.

ColorStack	New York, NY (Remote)
ColorStack Fellow	*May 2024 – Present*

- Enhanced technical skills through collaborative projects aimed at promoting diversity in tech, focusing on practical applications in software engineering and community-driven learning initiatives

INDEPENDENT PROJECTS

AfriVerse Web App	*March 2024-Present*

- Currently designing **AfriVerse** aimed at redefining Africa's global influence through storytelling, creativity, and innovation using **ReactJS, JavaScript, CSS, PHP, Python, Dart**
- Designed a modular codebase for future scalability, improving page load speeds by 25%

Jackal Tech Web	*June 2024 – Aug 2024*

- Built and deployed the official web platform for **Jackal Tech Ltd (jackaltechltd.com)**, utilizing ReactJS, Python, Node.js, MySQL, and AWS for backend reliability and front-end responsiveness
- Achieved a 40% improvement in page load time by optimizing database queries and implementing a scalable backend on **AWS**
- **Key Technologies**: JavaScript, ReactJS, Python, Node.js, MySQL, AWS, Chatbot integration

LEADERSHIP ACTIVITIES

- Computer Science Undergraduate Council
- Developer, UR Video Game Dev Team
- Associate, UR National Society of Black Engineers (NSBE)
- Team Leader, UR Debate Union

AWARDS

- Handler Scholar: Recipient of the University Leading Handler Scholarship given to less than 1% of the students
- Lefrak-Friedberg Scholarship – Awarded for outstanding academic performance and community impact
- 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.