

Emmanuel Ahishakiye

New York, NY • eahishak@u.rochester.edu • (585) 623-7660 • www.eahishakiye.com • linkedin.com/in/eahishak/ • github.com/eahishak

EDUCATION

University of Rochester

Rochester, NY

Major: Bachelor of Science in Computer Science (AI Concentration) & Business Information Systems

Anticipated May 2027

Relevant Coursework: Data Structures & Algorithms • Artificial Intelligence • Human-Computer Interaction • Mobile App Development • Database Systems • Statistical Methodology • Financial Management

TECHNICAL SKILLS

- Languages:** Python, Java, JavaScript, TypeScript, Dart, C, C++
- Frameworks & Libraries:** React, Node.js, Django, FastAPI, Flutter
- AI & ML:** TensorFlow, scikit-learn, Model Deployment, Data Pipelines
- Cloud & Tools:** AWS, Firebase, Git, Docker, CI/CD
- Databases:** PostgreSQL, MySQL, Supabase
- Other:** RESTful APIs, Agile Development, Testing & Debugging

WORK EXPERIENCE

Foundly

Rochester, NY

Software Engineer

Jan 2025 - Present

- Designed and deployed a SaaS platform used by **15,000+ users** to track and recover lost property across campuses and offices.
- Built modular front-end and back-end systems using React.js, Node.js, Firebase, and Supabase, with real-time data sync.
- Developed secure authentication with Google OAuth and institutional logic, reducing login friction by **45%**.
- Integrated Google Maps API for precise geolocation search, improving item match accuracy by **65%**.
- Built AI-powered TensorFlow item-matching logic, reducing manual review and processing time by **50%**.
- Automated office dashboards and alert systems, minimizing manual tracking by **70%**.

MemVerge

Milpitas, CA

Open-Source AI Engineer

Aug 2025 - Present

- Contribute to a production-level AI memory system, MemMachine, that improves contextual retrieval across long documents and large-scale inference tasks by **30%**.
- Build and maintain hybrid cache synchronization and persistence layers, reducing model latency by **25%** and improving throughput on distributed GPUs.
- Benchmark and optimize token recall efficiency, achieving **30%** faster sequence reconstruction in evaluation pipelines.
- Resolve **12+** GitHub issues addressing caching, model alignment, and inference stability, and improve scalability through collaborative PRs and AWS deployment automation.

Cendance Systems, Inc.

New York, NY

Salesforce AI Software Engineer Intern

Dec 2024 - May 2025

- Designed AI-driven microservices to enhance sales forecasting, improving accuracy by **35%**.
- Integrated third-party APIs and data workflows, supporting multi-team collaboration and reducing data latency by **20%**.
- Rebuilt React-based dashboards, boosting user engagement by **25%**.
- Collaborated with data engineers to optimize AWS-based model deployment, improving performance reliability by **30%**.

Jackal Tech

New York, NY

Founder & Product Lead

Nov 2021 - Present

- Led end-to-end development of 6 full-stack products across health, education, and civic tech, achieving an **85%** project success rate over the past 3 years.
- Engineered scalable backend infrastructures with Django and Node.js, improving request handling by **40%**.
- Integrated AI-driven chatbots for client-facing platforms, cutting average response time by **50%**.
- Mentored **500+ students** across software build sprints, internships, and live projects under Jackal Build Programs.

Headstarter AI

New York, NY

Software Engineer Fellow

Jun 2024 - Oct 2024

- Built user management and chat systems in Python and React, increasing data sync reliability by **25%**.
- Increased model reliability by **25%** and deployment performance by **30%** through workflow refactoring.

INDEPENDENT PROJECTS

Elevare

New York, NY

Lead Engineer & Product Developer

Oct 2024 - Present

- Built an AI-powered reservation and recruiting platform for events and job matching in emerging markets.
- Designed in-browser editors for resumes and cover letters, improving user completion rates by **60%**.
- Built recommendation models surfacing job and event suggestions from user patterns and past submissions.

Causeway

New York, NY

Product Developer

Nov 2024 – Jul 2025

- Developed a multi-role fundraising and NGO coordination platform using React, Node.js, PostgreSQL, and Stripe API.
- Built identity verification, campaign management, and messaging pipelines for **3 distinct user roles**.
- Created mobile-first UI for low-bandwidth environments, expanding accessibility by **45%** among remote-area partners.

COMMUNITY & LEADERSHIP

Google Developer Groups – University of Rochester Chapter

- Hosted technical sessions on React, cloud infrastructure, and ML deployment attended by **50+ students**.
- Coordinated collaborative workshops linking student developers to real-world projects.

Clubs & Fellowship: Rochester Game Dev Team (Developer), Debate Union (Team Leader), NSBE, MLT, Code2040, ColorStack

HONORS AND AWARDS

- Handler Premier Scholar**, Top 1% for academic achievement and leadership.
- Global Hackathon Finalist (2022)**, Top 6 of 500+ teams, International Telecommunication Union.
- Python Certification**, Advanced 4-year track, Carnegie Mellon University CS Academy.
- Google Data Analytics Certification**, Data Visualization, Business Intelligence, SQL for Decision Analysis.