

# KENNY ADENUGA

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## EDUCATION

### University of Guelph

Guelph, ON

#### Bachelor in Computer Science COOP, Minor in Mathematics.

Expected Graduation: April, 2028

Relevant coursework: Data Structures, Linear Algebra, Calculus, Intermediate Programming, Structure and Application of Microcomputers, Object-Oriented Programming, Statistics

Maintaining a 90% average.

## SKILLS & CERTIFICATIONS

- **Programming Languages:** C, Java, Python, JavaScript, SQL, NoSQL
- **Web Development:** Next.js, MERN Stack, REST APIs, Web Sockets
- **AI & Machine Learning:** OpenAI, Pinecone, Retrieval-Augmented Generation (RAG)
- **Interpersonal Skills:** Team Collaboration, Leadership, Communication
- **Certifications:** Introducing Artificial Intelligence: Training for the Road Ahead by CARE AI, The Complete 2024 Web Development Bootcamp by Udemy, SEO by HubSpot Academy, IBM Z Xplore - Concepts
- **Other:** Quality Assurance, Documentation, Linux/Windows, AWS (EC2, S3), Docker, CI/CD, Agile/Scrum methodologies, Git

## RELEVANT EXPERIENCE

### Software Engineering Fellow, Headstarter AI

July 2024 – Sep. 2024

- Designed, developed, and deployed 5+ AI applications and APIs with 98% accuracy, utilizing Next.js, OpenAI, Stripe API, and Pinecone.
- Implemented scalable deployment on AWS, improving server response times by 40% and traffic handling capacity.
- Worked in a 4-person agile team, applying MVC design patterns to streamline development and enhance code maintainability.

### Web Development Team Member, Riipen

March 2024 – May 2024

- Developed a business website using JavaScript completing ideation and implementing the site, leading to a 50% increase in customer reach
- Designed user flows and prototypes using Figma and flow maps to enhance UX/UI by 60%
- Optimized website performance resulting in a 30% increase in online sales

## PROJECTS

### Team Up Chat App

Aug. 2024 – Present

- Developed a chat app enabling tech professionals to connect for hackathons and networking, leveraging the MERN stack.
- Integrated real-time communication via Socket.io, supporting concurrent users.
- Designed a secure authentication system using JWT and bcrypt, enhancing user data protection

### AI Rate my professor chatbot

Aug. 2024

- Created an AI-powered chatbot using Retrieval-Augmented Generation (RAG) to simulate professor recommendations, optimizing user queries on synthetic data.
- Built a responsive front-end with Next.js and MUI, improving user experience and engagement by 50%.

### TubeDigest AI

Sep. 2024 - Present

- Created an AI-powered website that utilises Retrieval-Augmented Generation (RAG) and APIs to fetch transcripts of YouTube videos to summarise YouTube videos and chat with YouTube videos with the purpose of saving user's time.
- Built a responsive front-end with Next.js and MUI and utilised react redux for more efficient code, improving user experience and engagement by 50%.

## ACTIVITIES

**Club Member** | Society of Computer Information System, Guelph Coding Community

2023 – Present

**Volunteer Developer/Member** | AI Business Automation

2024 – Present

**Peer Helper** | University of Guelph

2024 – Present