

Raja Hassan Zafar

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🌐 [hassanz-](#) | 🔄 [HassanZafar-2021](#) | 📄 <https://rajahassanzafar.weebly.com>

Full-Stack Engineer

Innovative Software Engineer with 3+ years of experience building scalable applications. Skilled in full-stack development, AI integration, and cross-functional collaboration. Currently pursuing advanced certifications to further enhance technical expertise.

Technical Skills

- **Languages:** Java (Expert), Python (Expert), JavaScript (Proficient), SQL (Proficient), TypeScript, C (Beginner)
- **Tools/Software:** LangChain, Docker, Git, GitLab, Jira, AWS, GCP, Bash, Insomnia, RESTful APIs, React, Tailwind CSS, Node.js, Express, Debugger, Unit Testing, UI/UX

Projects

AI Web Extension | Team Project [Repo](#) Feb 2024 – May 2024

- Real-time AI interaction sidebar with dynamic chat bubbles and text extraction
- Developed a seamless AI-driven interface using the OpenAI API for real-time interactions. Focused on front-end development and optimized the chat performance
- **Technologies:** JavaScript, OpenAI API, Chrome Extensions

AI Video Podcast | Team Project [Repo](#) Oct 2024 – Oct 2024

- Platform that converts text queries into video podcasts with AI-generated avatars.
- Integrated MongoDB for podcast data storage and optimized real-time API calls, focusing on backend API development and data flow for faster generation
- **Technologies:** Python, Flask, MongoDB, JavaScript

Game Search Platform | Team Project [Repo](#) | [Deployed](#) Oct 2024 – Nov 2024

- Dynamic search and filter platform for game metadata, catering to both upcoming and released titles
- Implemented local storage functionality, allowing users to save search preferences and easily revisit their queries
- **Technologies:** JavaScript, RAWG API, Tailwind CSS

Experience

Coding Instructor: Coding Minds Academy Apr 2022 – Jul 2024

- Led 30+ students in Java, Python, Unity, and Roblox Studio, ensuring a 100% course completion rate.
- Developed 50+ lesson plans, boosting student engagement and proficiency in web development by 40%.

Freelance Web Developer: Truly Nuts Aug 2024 – Sept 2024

- Designed a Shopify platform with JavaScript and APIs, increasing user engagement by 20%.
- Optimized load times by 25% and improved cross-platform compatibility by 15% using React and CSS.

Education

- **Bachelor of Science (B.S.) in Business Management** | Graduation: Dec. 2023
Stony Brook University
- **Full-Stack Coding Bootcamp**
University of California, Irvine | **Expected Graduation: March 2025**
- Relevant Coursework: OOP, Data Structures & Algorithms, Game Design, Information Systems

Activities

- **First Place, Google Notebook LM Sponsor Track:** Awarded for the "Vocal Vision" project, an AI-driven multimedia application enhancing accessibility.
- **Best Domain Name Award:** Recognized for innovative use of GoDaddy services.
- **Volunteer, World Computer Exchange:** Refurbish and distribute dozens of computers to support global access to technology, education, and STEM opportunities.