Huzaifa Afzal

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EDUCATION

CUNY Baruch College   **Expected Graduation: May 2026**

- B.S. in Computer Science / Minor in Mathematics
- Cumulative GPA: 3.95/4.0
- Related Coursework: Data Structures & Algorithms, Object-Oriented Programming, Linear Algebra, Combinatorics, Computer Architecture

PROFESSIONAL EXPERIENCE

Headstarter AI   **July 2024 – Sep 2024**
Software Engineering Fellow   New York, NY

- Built and deployed 5 AI projects in 5 weeks using React JS, Next.js, Firebase, Clerk, and Vercel, following agile methodologies with weekly sprints and incorporated CI/CD practices for iterative deployment.
- Developed projects from design to launch with 3 other fellows using MVC design patterns.
- Coached by Amazon, Bloomberg and Capital One engineers on Agile, CI/CD, Git and microservice patterns.

Virtue Vanguard   **Apr 2023 – Present**
Co-Founder / Head of Front-End Development   Remote

- Created a Mobile App for pornography addiction prevention via real-time monitoring, illicit content detection, and a community of like-minded users.
- Led the development of a user-friendly UI/UX using Figma and React Native from scratch.
- Assisted in developing a secure backend, database, and user authentication using Google Firebase and Google Cloud Firestore.
- Started the integration process of Microsoft's Image Detection API for content detection as an ongoing project.

Halal Food Standards Alliance of America   **March 2023 – Present**
Head of Maps Operations   Oakland, CA

- Produced high-quality, detailed maps on Google & Apple maps in 13 states, highlighting Halal-certified restaurants and businesses to assist consumers in locating suitable dining options.
- Worked closely with the company's operations team to design visually appealing, user-friendly maps that were distributed to 5000+ users through various channels, including website, mobile applications, and social media platforms.
- Increased website traffic by 50%

CUNY Directed Reading Program   **January 2024 – May 2024**
Undergraduate Fellow   New York, NY

- Topic: Discrete Probability and Stochastic Processes
- Engaged in weekly meetings with a graduate student, discussing selected readings and delving into the intricacies of stochastic processes.
- Investigated the bullet process, a random process involving fired bullets along the x-axis, with a particular focus on survival probabilities and computer simulations.

PROJECTS

AI ChatBot

- Worked in a team of 3 to develop an interactive customer support agent using Next.js, generating automatic responses using OpenAI based on a company's knowledge base.
- Stored conversations in database using Google Firebase and added user authentication using NextAuth.JS to load history when signed in.

SmartCards AI

- Collaborated with 3 others to build and deploy a SaaS product that generates dynamic flashcards based on any topic using the Llama 3.1 LLM via OpenAI API
- Added user authentication using Clerk API
- Integrated a paywall and custom pricing plans using the Stripe API

Wild Rides

- Developed a serverless web application on AWS that allows users to request rides, wherever they are on the map.
- Integrated AWS Amplify, AWS API Gateway, AWS Lambda, HTML, and CSS to lower response time.

SKILLS

- **Skills:** Python, C/C++, MS Excel/Numbers/Sheets, AWS, Figma, Firebase, Flutter, JavaScript, JIRA, React Native, UI/UX Design, Android SDK, NextJS, OpenAI, Pinecone, StripeAPI
- **Languages:** English, Arabic, Urdu