

# Sarang Mistry

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## EDUCATION

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*The University of Houston* | Houston, TX

- B.S. in Computer Science | **GPA: 4.0/4.0** | Expected Graduation: **December 2024**
- *Courses:* Data Science 2, Introduction to AI, Data Structure Algorithms, Operating System, and Software Design.

## TECHNICAL SKILLS

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- *Programming Languages:* C++, Python, JavaScript, HTML, CSS, Git, and TypeScript
- *Framework/Libraries:* React JS, Next JS, Prisma, TensorFlow, NumPy, Pandas and Matplotlib
- *DBMS:* Firebase, Supabase, PostgreSQL, and MySQL

## PROJECTS

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*Contribu* | <https://www.contribu.dev>

August 2024 – Present

- Designed and implemented Contribu, an innovative platform that connects students to collaborate on projects and bring ideas to life.
- Focused on creating an intuitive user experience that encourages seamless collaboration and idea-sharing among students. Committed to fostering a culture of innovation and inclusivity, ensuring that the platform meets the needs of its diverse user base.
- Utilized technologies such as Next.js, ShadCN, Tailwind CSS, Supabase, and Resend Email to build a scalable and responsive web application capable of handling 1,000+ concurrent users.

*CardGen AI* | <https://card-genai.vercel.app>

August 2024 – Present

- Developed a web application for creating flashcards through various methods: manual entry, text generation, PDF uploads using OpenAI, and YouTube links.
- Implemented a tiered subscription model with Stripe for payment processing.
- Built the application using TypeScript for robust and scalable code, while employing Firebase for secure authentication and efficient database management, and designing a modern, responsive UI with ShadCN.

*Sweat AI* | <https://sweat-ai.vercel.app>

August 2024 – August 2024

- Designed and developed a web application with three AI-powered personal assistants using the OpenAI API: a Personal Trainer, a Personal Nutritionist, and a Personal Sports Coach.
- Built the frontend using Next JS for server-side rendering and ShadCN components for a modern, responsive UI.
- Implemented authentication and data management with Supabase, providing secure user login and seamless database interactions.

## EXPERIENCE

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*Headstarter AI* | Fellowship | Remote

July 2024 – Present

- Built 5 + AI apps and APIs using NextJS, Open AI, Pinecone, Stripe API as seen by 1000 users.
- Developed projects from design to deployment leading 4+ engineering fellows using MVC design patterns.
- Coached by Amazon, Bloomberg, and Capital One engineers on Agile, CI/CD, Git and microservice patterns.

*Tutor* | University of Houston | Houston, TX

August 2023 – Present

- Instructed undergraduate students in Python and C++ programming, covering fundamental principles, hardware/software components, and computational thinking.
- Led hands-on programming exercises to enhance students' problem-solving skills and proficiency in designing, testing, and debugging code.

## HONORS

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- Dean's List: 8 out of 8 Semester.
- Undergraduate Scholarship: Fall2024, Fall 2020, and Spring 2021.

## ACTIVITIES

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*Course Lead* | Cougar CS

August 2023 – February 2024

- Oversaw tutoring alignment with course materials, supported tutors, facilitated effective communication, and developed resources, including programming assignments.