Stuti Shah

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Education

University of Minnesota, Twin Cities (Bachelor of Science in Computer Science; Statistics Minor)   Sep 2022 - May 2024
- **GPA: 3.91**/4.0, Dean's List (Fall 2022, Spring 2023)
- Relevant courses: Algorithms and Data Structures, Python Programming, Computational Linear Algebra

De Anza College   Jun 2020 - Jul 2022
- **GPA: 4.0**/4.0 (Dual Enrollment)
- Relevant courses: Discrete Mathematics, Intro to x86 Processing Language, Intro to Business Administration

Skills

Programming Languages: Python, Java, TypeScript, JavaScript, HTML/CSS, C++
Languages: English (Native), Gujarati (Native)
Technologies: Git/Github, Figma, Chakra UI, MySQL, Firebase

Technical Projects

HackNYU '23, 1st in Education & Top 3 Overall (github)   Feb 2023
- Developed Aly, an app, website, and chrome extension that holds users accountable for their tasks and sends embarrassing texts to friends/parents if they aren't on track.
- Utilized **React Native**, **JavaScript**, **Firebase**, **Apple Maps**, and machine learning to create an app that syncs activity across different platforms, scans webpages to track user focus, and features a user-friendly interface to add tasks.
- Successfully navigated challenges such as time constraints, team fatigue, and inexperience with app development, resulting in a polished and functional product.

HackUIowa '22, 1st Overall & 1st in Accessibility (annote.live)   Oct 2022
- Built a live transcription and summarization tool for notetaking using an AI model on a team of four.
- Developed frontend using **NextJS with TypeScript** and the **Chakra UI** component library.
- Led development of user authentication flow using next-auth for the login and profile pages.
- Designed the dashboard and landing page with Figma, helped with the implementation of the landing page.

MinneHack 2023, LawSum (github)   Jan 2023
- Built a web application that summarizes legal documents using the DaVinci 003 model and provides relevant laws.
- Developed frontend with **NextJS with TypeScript** and the **Chakra UI** component library.
- Integrated RESTful APIs to connect the frontend to the **Flask** webserver to clean and chunk through the PDFs.

Experience

Research Intern, Eyenuk Inc. (eyenuk.com)   Jun 2021 - Sep 2021
- Assisted leading scientists in improving AI algorithms for Diabetic Retinopathy detection.
- Accurately annotated 20+ retinal images to differentiate between common diagnostic patterns.
- Investigated the link between retinal and brain pathology by analyzing biomarkers.

Leadership

Vice President of Operations, Mission INNO Biotech (innoinc.org)   Mar 2020 - May 2022
- Bootstrapped a chapter with 35+ members.
- Led efforts to maximize outreach on social media with consistent posts.
- Conducted weekly meetings about the intersection between biology, computer science, and engineering.
- Mentored members with their annual biotech projects for the INNO Innovation Development Conference.

Class Lead and Curriculum Chair, YAPA Kids (yapakids.org)   Mar 2021 - Sep 2021
- Directed other teachers and created curriculum for several grade levels by making engaging slides and practice quizzes.
- Taught 50+ students (K-8) weekly, with lessons in science, photography, and art.