

# Yash Chhatre

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## EDUCATION

### University of California, Berkeley

Berkeley, CA

*B.S. Electrical Engineering & Computer Science*

*May 2026*

- **Relevant Coursework:** Data Structures, Discrete Mathematics, Computer Architecture, Designing Information Devices & Systems I, II

## TECHNICAL SKILLS

**Languages:** Java, Python, Typescript, Javascript, Node.js, Go

**Tools:** Flutter, Next.js, React, Express, Vercel, Pandas, PyTorch, Selenium, Flask

**Storage:** MongoDB, Firebase (Cloud Firestore & Realtime Database), Redis, SQL, Amazon s3

## EXPERIENCE

### Software Engineering Intern

June 2024 – August 2024

*HeyGen*

*Palo Alto, CA*

- Developed internal tools using Python & Flask, enabling sales engineers to merge user accounts and create enterprise accounts, driving over **\$50K** in revenue and improving operational efficiency by **70%**
- Integrated two third-party voice providers with Go, TypeScript, and React, implementing features like voice previews and deletion. Optimized video translation, increasing accuracy by **50%** & reducing rewrite rates by **60%**

### Cofounder / Head of App Development

June 2020 – December 2023

*Revoteen*

*San Ramon, CA*

- Launched global teen job sourcing application with **8.5K+ users** in **70+ countries**, while raising **\$30K+** in funding & being published in **10+** media outlets (Livermore Independent News, Merced County Times, etc)
- Engineered **10+** features, released **25+** updates, fixed **320+** bugs, and wrote **40K+** lines of code to develop a cross-platform mobile application with in-app messaging, push notifications, and a robust CI/CD pipeline
- **Tech Stack:** Flutter, Next.js, Cloud Firestore, Vercel, AWS Lambda, Redis, Cloud Functions

### Research Intern

June 2022 – August 2022

*University of Wisconsin-Madison*

*Madison, WI*

- **Purpose:** Improve upon current CS department ranking systems (CS Rankings / USNews) by utilizing all encompassing characteristics of an elite CS program (h-index, citations, & total published papers)
- Scraped data of **500+ universities** & **20K+ professors** for h-index, citations, and total papers published on Google Scholar using Selenium & BeautifulSoup + visualized trends of **30+** CS programs on Matplotlib

## PROJECTS

### Invasive Ductal Carcinoma (IDC) Research | *PyTorch, NumPy, SciPy*

- Employed deep learning techniques to assemble IDC patches into whole slide images and diagnose IDC in **161** patients - submitted to **Columbia Junior Science Journal** with Columbia DBMI PhD student Vinay Swamy
- Preprocessed **280K+** CT scans to construct CNN yielding **91.6%** training accuracy & **90.5%** test accuracy with a false negative rate of **6.9%** while overturning histopathology results **60x** faster for histopathologists

### Club Central | *React Native, Next.js, MongoDB, Firebase, Amazon S3*

- Engineered **30+** API routes, connected to Amazon S3 storage system, & implemented client side caching
- Deployed + created iOS & Android applications for **200+** students to join **30+** clubs within Dublin High School

## LEADERSHIP

### Executive Team Associate

January 2024 – Present

*AI Entrepreneurs @ Berkeley*

*Berkeley, CA*

- Berkeley's premier AI Incubator partnered with top VCs – Kleiner Perkins, PearVC, Human Capital, & etc to bring forth ideas of Berkeley based AI entrepreneurs & create a tightly-knit mentorship community
- Generated **\$40M+** in value & incubated **26** startups raising **2.6M+** in pre-seed funding from a **20+** VC network

### VP / Lead Software Engineer

August 2021 – May 2023

*System Overload Robotics (SOR)*

*Livermore, CA*

- Grew membership by **500%** – managing a team of **8** leads, **10** mentors, and **50+** students & raised **\$25K+**
- Developed, programmed, and tuned team's first ever Swerve drive system & built a proprietary fixed angle shooting mechanism with color + proximity sensors to determine ball velocity based on goal distance
- **Awards:** Monterey Bay Regional **Quarterfinalist**, Cal Games **Semifinalist**, & **Judges Award** @ Capital City