AMIT PATANKAR
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education

2021-2023	**HARVARD BUSINESS SCHOOL**　　　　　　　　　　　　　　　　　**BOSTON, MA**

Candidate for Master in Business Administration, May 2023. Section Technology Representative. Member: Tech Club, Entrepreneurship Club, South Asian Business Association.

2011-2015　　**UNIVERSITY OF CALIFORNIA, BERKELEY**　　　　　　　　　　**BERKELEY, CA**

Bachelor of Science degree in Electrical Engineering and Computer Science. Management Chair of Theta Tau Professional Engineering Fraternity. Technical Consultant for Voyager Consulting Club.

experience

2020-2021　　**GOOGLE**　　　　　　　　　　　　　　　　　　　**MOUNTAIN VIEW, CA**

Senior Software Engineer at Google ML

Led machine learning (ML) security initiatives and model prototyping for YouTube sports video collaboration.

- Drove an org-wide ML security initiative utilizing Python fuzzing (injecting randomized inputs into a system) to find and fix 100+ security vulnerabilities plaguing Fortune clients such as Alibaba and Tencent.
- Built an 85% accurate machine learning model in a cross-organizational effort with YouTube and Research to classify NCAA basketball plays for sports video segmentation.

2017-2020　　**GOOGLE**　　　　　　　　　　　　　　　　　　　**MOUNTAIN VIEW, CA**

Software Engineer at Google Brain

Improved and evangelized TensorFlow, the world's most widely used open-source machine learning platform.

- Taught best practices of TensorFlow to 20k+ developers at startups, government agencies, and universities in the United States, England, India, China, Japan, Kenya, Nigeria, and South Africa.
- Developed world's first daily released machine learning Python package. Distributes new updates every 24 hours as opposed to 3 months previously. Over 8 million annual downloads over 3 years.
- Led a team of 6 engineers to overhaul and streamline TensorFlow's source code, leading to a 60% drop-in time and code required for internal and external developers to add new TensorFlow functionality.
- Managed 2 interns as a part of Google's Student Training in Engineering Program (STEP). STEP seeks to address underrepresentation in technology. Both interns were rehired at Google.
- Designed and implemented a bot that serviced 50k+ customer service GitHub issues, saving the team 120 weekly engineering hours. Data collected from bot drove staffing decisions, reducing costs by $80k/year.

2015-2017　　**NEST**　　　　　　　　　　　　　　　　　　　　**PALO ALTO, CA**

Software Engineer at Nest Secure

Automated battery and reliability testing for the Nest home security device product line, saving $250k annually.

- Created an automatic way to connect to devices via Bluetooth and WiFi that was 85% faster than manually connecting, reducing 100 weekly engineering hours when debugging devices for failure.
- Automated quality testing for Nest Secure product using robotics, improving testing cadence by 600% while reducing weekly human overhead by 80 hours.

projects

2021-present　**LASSO APP LLC**　　　　　　　　　　　　　　　　　　**BOSTON, MA**

CTO and Founder

Built and launched a mobile app to help business school students plan events and navigate social calendars.

- Designed UX flow and comprehensive software algorithms to satisfy features requested by target market.
- Drove product development with 5 engineers and manual testers in India to build initial prototype.
- Selected to be a member of Harvard Innovation Lab's Build-It Incubator Program.

2018-2021　　**MOTIVE LLC**　　　　　　　　　　　　　　　　　　　**FREMONT, CA**

CEO and Founder

Released an iOS and Android mobile app enabling friends to compete in fitness challenges together.

- Enabled 10 local fitness trainers to keep 150+ clients engaged during the COVID-19 pandemic.
- Managed 5 founders and interns while leading product design, technical implementation, and marketing.

community　　Asian American Millennials for American Advancement: Co-founded Silicon Valley nonprofit that provides career guidance to local high schools, advises local government on city planning, and informs election campaigns.

personal　　Fluent in Hindi, Marathi, and conversational in Spanish. Enjoy playing basketball and flag football. Fantasy football enthusiast. Traveled to 26 countries. Ran a half-marathon at midnight in the Arctic Circle.