

# ARUSHI SOMANI

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CS @ UC Berkeley | Entrepreneur | Proficient Violinist

## EDUCATION

<b>University of California, Berkeley</b> Bachelor of Arts in Computer Science, GPA: 4.0	Berkeley, CA Fall 2019 - Spring 2023
<b>Bhatkhande Music Institute Deemed University</b> Visharad (Bachelor's) in Indian Classical Music through Violin	Lucknow, India July 2015 - August 2018

## SKILLS

Relevant Coursework:	Structure and Interpretation of Computer Programs, Data Structures, Designing Information Devices and Systems 1, Discrete Math & Probability
Programming Languages:	Git, Python, Java, HTML, CSS, SQL, Adobe Library, Unity, JavaScript, LaTeX, Swift, C, Blender, React, Angular, Node.js

## AWARDS AND HONORS

- CalHacks 6.0 Fellowship**  
Competed against 2000 people to be awarded a fellowship to continue Hackathon project.
- 1517 Fund Grantee**  
Given a equity-free grant of \$1000 to further develop VATT, a video dubbing startup.

## EXPERIENCE

<b>Brain Rehabilitation in a Virtual Environment Project</b> <i>Developer</i> <ul style="list-style-type: none"><li>Create cognitive training tasks in V.R. to facilitate treatment of mild traumatic brain injuries.</li></ul>	Berkeley, USA Feb 2020 - Present
<b>Berkeley Educational Engineering Society</b> <i>Course-ware Developer Intern</i> <ul style="list-style-type: none"><li>Developer for the course-ware used in Berkeley EECS classes, including online editor, composition checker, and automated grading software.</li></ul>	Berkeley, USA Jan 2020 - Present
<b>Extended Reality at Berkeley</b> <i>Consultant</i> <ul style="list-style-type: none"><li>Advise companies in the Bay Area on methods to integrate with VR technology, and develop software to assist them.</li></ul>	Berkeley, USA Feb 2020 - Present
<b>Berkeley EECS CS61A</b> <i>Academic Intern and Student Mentor</i> <ul style="list-style-type: none"><li>Guide students in labs and hold drop-in office hours. Lead a 5-student mentoring section each week.</li></ul>	Berkeley, USA Jan 2020 - Present
<b>Avadh Chain of Hospitals</b> <i>Freelance Developer</i> <ul style="list-style-type: none"><li>Developed and launched company website.</li><li>Created in-house SMS-based ticketing portal, improved clinic experience and reduced wait-time.</li></ul>	Lucknow, India Feb 2019 - Nov 2019
<b>Lazarus Technical Society</b> <i>Founder, President</i> <ul style="list-style-type: none"><li>Started a 450-member technical society based in Lucknow to promote CS and STEM education among K-12 students through workshops, interactive sessions, competitions and exhibitions.</li></ul>	Lucknow, India Apr 2016 - Nov 2018

## SIGNIFICANT PROJECTS

- VATT: Video Dubbing Software**  
A funded video dubbing software as a software startup aiming to make online educational resources more accessible to non-English speakers.
- PorterCo: The Hospital Portering System**  
Founder and developer of a low-energy bluetooth portering system for hospitals, funded by ApolloMedics Hospitals, India.
- Virtual Reality Tesseract**  
A 4-dimensional cube seen in 3 dimensions through VR Headset. Currently developing physical models.