

Roshni Vakil

COMPUTER SCIENCE STUDENT ASPIRING TO MAKE A POSITIVE IMPACT ON THIS WORLD



Dublin, CA



<https://roshni-v.github.io/my-portfolio/index.html>



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Programming Skills

Java, HTML & CSS,
Python, p5.js

EDUCATION/ACADEMIC ACHIEVEMENTS

California Polytechnic State University, San Luis Obispo (Sept 2020 - Present) - BS Computer Science, 4.0 GPA

Dublin High School (Aug 2016 - May 2020) - High School Diploma, 4.22 GPA

- **Engineering Academy**
 - Selected as 1 of 26 students in Dublin High's Engineering Academy 2020 Cohort for Computer Science. Took one PLTW (Project Lead the Way) engineering/computer science course each school year and participated in a mentorship program with an industry mentor in 11th grade.

CLUBS/SOCIETIES

California Polytechnic State University, San Luis Obispo (Sept 2020 - Present)

- **Society of Women Engineers (Oct 2020 - Present)**
 - **Freshman Representative** (Dec 2020 - Present)
 - **Team Tech Subgroup Leader** (Oct 2020 - Present)
 - Organize and lead weekly subgroup meetings
 - Interface between the Team Tech Board and subgroup to ensure that the device being designed and its corresponding deliverables for our industry sponsor, Mazzetti, are completed in a timely manner and in a way that works with each of the other subgroups

Dublin High School (Aug 2016 - May 2020)

- **Gael Force Robotics Club (Sept 2016 - March 2020)**
 - 2019 - 2020 (Senior Year): **Team 5327V - Season Cut Short Due to COVID-19**
 - 2018 - 2019 (Junior Year): **Team 5327R - Competed in the 2019 VEX World Championship**
 - Served as builder and head programmer
 - Mentored incoming robotics club members
 - 2017 - 2018 (Sophomore Year): **Team 5327C - Competed in the 2018 VEX World Championship**
 - Served as builder
 - 2016-2017 (Freshman Year): **Team 5327A - Competed in the 2017 VEX California State Championship**
 - Served as builder
- **Girls Who Code Club (Sept 2018 - March 2020)**
 - 2019 - 2020 (Senior Year): **President**
 - Oversaw designing activities to teach web development to 9th-12th graders
 - Headed bi-weekly club meetings where activities and lessons took place
 - 2018 - 2019 (Junior Year): **Event Director**
 - Helped teach web development during bi-weekly meetings to 9th-12th graders
 - Helped organize and run workshops during a promotional hackathon for 6th-9th graders

AWARDS

CPS Cal Poly Merit Scholar Award

- In recognition for being a Class of 2020 National Merit Finalist

Third Place in High School Section for Mechanical Engineering and Instruments at the 2017 Alameda County Science Fair

- Designed a device that effectively neutralized acid rain showing that acid rain can be a useful water source if properly and efficiently neutralized

VOLUNTEERING/WORK EXPERIENCE

Dublin Senior Center - Dublin, CA (June 2019 - March 2020)

- Served meals prepared by Open Heart Kitchen to local seniors

Open Heart Kitchen - Pleasanton, CA (Jan 2019 - Sept 2019)

- Prepared food for local seniors, veterans and homeless at Ridgewood Commons Senior Center and Valor Crossing

Fertile Groundworks (Garden of Grace) - Livermore, CA (Feb 2018 - April 2018)

- Worked at a community garden devoted to growing food for local seniors, veterans, and homeless