

# 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 in Computer Science, 4.0

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

- **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