

Khushi Gupta

Objective: With an affinity for quantitative methods and an appreciation for material sciences, engineering seems to be a perfect amalgam of my interests and enthusiasms.

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EDUCATION

Dublin High School, Dublin, CA — *In Process*

AUGUST 2017 - PRESENT

- **Dublin Engineering and Design Academy (DEDA)**
- **Project Lead the Way (PLTW)**
- **STEM Classes:**
 - Introduction to Computer Information Systems (Taken concurrently at Las Positas College), Computer Science Principles, Honors Chemistry, Honors Principles of Engineering, AP Chemistry, AP Calculus

PROJECTS

- **Solar Hydrogen Vehicle, Dublin, CA**

JUNE 2018 - PRESENT

Created a prototype for an eco-friendly car that compared the use of 2 PV cells and 2 hydrogen fuel cells to determine which could maximize efficiency.

- **Entrepreneurship Project, Dublin, CA**

MAY 2019 - PRESENT

Programmed and designed an iOS app through Xcode to streamline the documentation process for volunteer hours in class and out of class.

- **Alameda County Science Fair, Dublin, CA**

OCTOBER 2017 - APRIL 2018

Created a robot with a raspberry pi, mini camera, and a metal caddy. Wrote a program for the robot and the layout for the web page to control the robot utilizing a plethora of languages (CSS, HTML, and Python).

LEADERSHIP EXPERIENCE

- **Dance Assistant — Nithyabhinaya, Dublin, CA**

OCTOBER 2019 - PRESENT

Co-led classes and instructed children ages 5-10 years old in classical dance.

- **President — Save Earth, Dublin, CA**

SEPTEMBER 2018 - PRESENT

Self-established club. Responsible for organizing and leading the meetings as well as creating presentation, managing fundraisers, and creating the website.

VOLUNTEER EXPERIENCE

- **E-book helper — Alameda County Library, Dublin, CA**

OCTOBER 2019 - PRESENT

Assisted seniors in how to use apps such as Libby, Overdrive, and RB digital to manage digital books. Troubleshoot any problems.

- **Engineering Peer Tutor — Dublin High School, Dublin, CA**

OCTOBER 2019 - PRESENT

Aided peers in comprehending engineering concepts during lunch regularly.

CORE COMPETENCIES

- Xcode
- HTML
- CSS
- Python
- GitHub
- Repl.it
- Microsoft Office
- Google Suite
- Net Logo
- Robot C
- MIT App Inventor
- Scratch
- MTA Certification

AWARDS

- Honorable Mention from Alameda County Science Fair
- Academic Block D (an award for achieving 3 consecutive semesters of a 3.5 GPA or above) Scholar Athlete
- 4.0 GPA Freshman Year
- 4.5 GPA Sophomore Year

LANGUAGES

- English - *Proficient*
- Spanish - *Intermediate*
- Hindi - *Intermediate*

EXTRACURRICULARS

- **GET SET (Girls Exploring Science Engineering and Technology)** - 2 years - Participated in workshops to widen comprehension of STEM careers.
- **Classical Indian Dance (Bharatanatyam)** - 8 years - *Advanced level* - Rigorous performances for charity or cultural events
- **CSF (California Scholarship Federation)** - 4 semesters - Dedicated volunteer, participated in community service events for the homeless.
- **Junior Varsity Lacrosse** - 1 semester - Participated in the daily practices and frequent games.