Khushi Gupta

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

EDUCATION

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

AUGUST 2017 - PRESENT

- **Dublin Engineering and Design Academy (DEDA)**
- **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 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. Troubleshot any problems.

- *Engineering Peer Tutor* — **Dublin High School,** Dublin, CA
  OCTOBER 2019 - PRESENT

  Aided peers in comprehending engineering concepts during lunch every Wednesday.

CORE COMPETENCIES

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

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)
- 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.