

## EDUCATION

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**Dublin High School**  
GPA: 4.67, Honor Roll Student

Dublin, California  
2020 – 2024

### College Curriculum AP Courses

- AP Computer Science Principles
- AP Computer Science Applications
- AP Calculus AB & BC
- AP Environmental Science
- AP European History
- AP US History
- AP Seminar
- Honors Chemistry

## TECHNOLOGIES

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- Python
- Java
- JavaScript
- Linux & Mac OS
- HTML
- CSS
- Google Suites
- Microsoft Windows

## ACADEMIC PROJECTS

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**Chatter Chatbot,** Dec 2022

- Built Chatbot using transformers for JAX, PyTorch, TensorFlow and Google Text to Speech service.
- Trained using model data from Facebook.

**Nitrate Purifier** May 2022

- Designed and developed Nitrate Purifier using Fusion360
- Allows for cost-efficient and repeated nitrate testing by controlling the flow of reactants necessary to test.

**Pandemic Protection** May 2021

- Utilized Arduino microcontrollers and ultrasonic sensors to protect users from COVID-19 by maintaining social distancing standards.

## HACKATHONS

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**Harvest Hacks** Nov 2022

- Built fruit detection module using Google Vision API to detect fruits
- Integrated with Wikipedia library to scrape fruit data
- Enables farmers to quickly access fruit information.

**Transcribe Service** Feb 2021

- Built video to transcript conversion module using AWS Transcribe API
- Aids those with hearing loss to convert and read media content.

**NBA Speech Stats** Oct 2022

- Built voice service to access NBA statistics using Google Text to Speech Package and Speech Recognition libraries
- Benefits those with vision imparities to access NBA statistics verbally.

## EXPERIENCE

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**California Tamil Academy** June 2020 - May 2022  
*Teaching Assistant (Volunteer)* Pleasanton, California

- On a weekly basis, tutored Tamil to younger students and developed teaching techniques including games and worksheets
- Provided feedback to students, using positive reinforcement techniques to encourage, motivate, and build confidence in students.

## STEM

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**Destination Imagination** March 2017 - Present

- Developed teamwork skills and communication techniques as well as acting and speaking skills through practice and live presentations
- Cultivated leadership techniques, while strengthening existing skills in Computer Science through activities including programming self-navigating drones, building sunlight blooming flowers, and mechanical props and backdrops.
- Performed well at a statewide and global level, placing among top teams consistently for over 5 years

## AWARDS

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- Destination Imagination: Da Vinci awards for precedential and innovative solutions
- Destination Imagination: Renaissance awards for outstanding creativity and skill, specifically in engineering
- Recognition from numerous school districts, including Dublin and Livermore for HYC programs