

# AMBAREESH BUDARAJU

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## SUMMARY

Dedicated high school student with a fervent interest in the fields of computer science, psychology and biology, actively seeking volunteering or internship opportunities. Committed to applying my passion for research, particularly in psychology and plant biology, to further education.

## WORK EXPERIENCE

2018 - Present

### Music Instructor - Mridanga Studios and Kirtan Studios

- Instruct various instruments to students internationally, ranging from ages 3 to 18 while leading online classes for multiple students concurrently.
- Manage social media publicity campaigns across various platforms.
- Organize and assist in competitions and team events.
- Currently developing a comprehensive lesson book for students.

### Researcher - ASDRP and Independently

2023 - Present

- Conduct research in Plant Tissue Culture, specializing in micropropagation techniques and organogenesis studies for In-Vitro plant proliferation.
- Apply various sterilization protocols and investigate correlations between MS media concentration, phytohormone concentration, and growth in diverse fruit plants.
- Perform independent research on Parental Toxic Stress and its correlation with Child Development and application of AI in medicine to enhance diagnosis and treatment efficacy.

## EDUCATION

### Dublin High School

2021 - Present

- Relevant Courses include AP Human Geography(4), AP Seminar, AP Biology and Calculus.
- Summer courses taken at Brigham Young University include Chemistry and Geometry.
- Current Summer Courses taken at APEX Learning include AP Chemistry and AP Physics 1

### Las Positas College and Santa Barbara Community College

2023 - Present

Concurrently Enrolled (Dual Enrollment)

- Las Positas Relevant Courses include PSYCH-12 (Life Span Psychology)
- Current Summer Courses at Las Positas include ENG 1A (Critical Reading and Composition) and PSYCH 1 (General Psychology)
- Current Summer Courses at Santa Barbara Community College include CS 105 (Computer Science Theory and Practice I)

## LANGUAGES

- |                   |              |
|-------------------|--------------|
| • <b>English</b>  | Proficient   |
| • <b>Telugu</b>   | Proficient   |
| • <b>Hindi</b>    | Intermediate |
| • <b>Spanish</b>  | Beginner     |
| • <b>Sanskrit</b> | Beginner     |

## EXTRA CURRICULARS

- |                                      |      |
|--------------------------------------|------|
| • <b>Carnatic Singing</b>            | 2012 |
| • <b>Studying Ancient Literature</b> | 2015 |
| • <b>Volunteering</b>                | 2018 |
| • <b>Karate</b>                      | 2020 |
| • <b>Coding</b>                      | 2019 |

## CS PROJECTS

- **Aquaguard AI** - AI programmed sensor aiming to contain sewage discharge
- **AI Pollen Viability:** Predicts pollen viability from camera images.