Varun Segar

3352 Hartwell Ct
Pleasanton, CA 94588
(925) 871-9206
varunsegar22@gmail.com

EXPERIENCE

Foothill Robotics Team 1000A, Pleasanton, CA — Data *analyst*

AUGUST 2024 - PRESENT

Engineered a YOLOv8-based system for game element tracking to optimize strategy based on algorithms leading to our team winning on an international scale.

PLAY Foundation, Pleasanton, CA — *CFO*

JUNE 2023 - Present

Currently managing budget and fundraising for a student-led nonprofit raising over 10k in the past 3 years for low-income students and PPIE. Previously an Outreach officer bringing in diverse groups of students leading to a 20% increase in total membership.

MeetFresh, Location — *Job Title*

MAY 2024 - JULY 2024

Worked as a team member at MeetFresh over the summer, assisting with customer service, order preparation, and maintaining store operations in a fast-paced environment.

EDUCATION

Foothill Highschool, Pleasanton, CA — *High School Diploma (Expected)*

AUGUST 2022 - JUNE 2026

- GPA: 3.9 (Unweighted), 4.22 (Weighted)
- SAT: 1590/1600, 790 Math, 800 English
- AP and Honors coursework, AP Computer Science A, Honors Aerospace Engineering, Honors Principles of Engineering and Honors Pre-Calculus

PROJECTS

Coral Identification App

Designed and developed a mobile/web app to catalog coral species by analyzing uploaded images against a reference dataset.

SKILLS

Programming: Python, Java

Tools: YOLOv8, React, CAD, Labelme

Engineering: Robotics, Sensor Integration, Mechanical Design

Communication: Public Speaking, Debate, Technical writing

AWARDS

VEX Robotics Space City Tournament Champion Won a High-level international event that qualified us to the VEX World Championship

Finalist at US Open Placed second amongst 120 top international teams

Public Forum 2nd Speaker Award 2nd best speaker at the Jon Schamber High School Invitational

LANGUAGES

English(Fluent), Tamil(Comprehension Only)