

# Niyanth Mahesh

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## Education

### John Burroughs High School

GPA 4.6

Burbank, CA

May 2023

Relevant Coursework: Ap Physics 1 / 2, Ap Calculus AB/BC, Ap Stats, Engineering, Spanish 3

National Honor Society, President of Cycling and Calculus Club, Member of Varsity Tennis, 100+ service hours

### Glendale Community College

GPA 3.813

Remote

January 2020 - May 2022

Relevant Coursework: Java, Cloud Computing, French 102

## Experience

### FRC Team 980 Robotics

#### Mechanical Design Lead

January 2022 - May 2022

- Led a small team in the creation and design of the overall assembly and parts for the 2022 FRC competition.
- Taught them how to use Solidworks and verified parts and drawings.
- Created part drawings and helped the Fabrication team with the assembly.

### Raytheon

Remote

#### Mechanical Design Intern

June 2021 - July 2021

- Designed and developed an Omni-directional Treadmill of my own design using Solidworks.
- Developed a budget for materials, production, and electronic components focusing on cost and efficiency.
- Produced a pitch, process of development, and project time for the product.

### JBHS Survey Kiosk

Remote

#### App Developer Intern

January 2021 - June 2021

- Worked with a team to create a supermarket survey app.
- Installed several accessibility features including text to speech and color contrast.
- Created and organized data received into analytical reports.

## Leadership

### FLL Robotics

Burbank CA

#### Mentor

August 2020 - November 2020, September 2021 - November 2021

- Introduced two groups of elementary schoolers to robot design and block coding.
- Guided their process in creating and coding a lego robot for the FLL competition.

### AP Calculus Club

Burbank CA

#### President / Tutor

August 2021 - Present

- Supervised tutors and developed weekly lesson plans to tutor and encourage calculus.
- Created a program where high schoolers could tutor middle schools in the area

## Skills

**Design and Simulation:** Solidworks, AutoCAD, Matlab

**Programming Languages:** Java, Python (machine learning, computer vision), C++ (Arduino)

**Fabrication:** Lathe, Mill, 3D Printing, CNC

**Front End Web Development:** HTML, CSS, React, JavaScript

**Language:** Conversational Spanish and intermediate French