

Niyanth Mahesh

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Education

Georgia Institute of Technology Atlanta, GA
Bachelor of Science in Mechanical Engineering May 2027

John Burroughs High School Burbank, CA
Valedictorian, GPA: 4.54 May 2023
Relevant Coursework: Ap Physics 1 / 2 / C, Ap Calculus AB/BC, Ap Stats, Engineering, AP Spanish, AP Chemistry, AP Computer Science A, AP English Literature/Language
National Honor Society, President of Cycling and Calculus Club, Varsity Tennis, 100+ service hours

Glendale Community College Glendale, CA
Dual Enrollment, GPA: 3.875 January 2020 - February 2023
Relevant Coursework: Programing & Problem-Solving in Matlab, Linear Algebra, Java, Cloud Computing, French 101 / 102

Experience

FIRST Robotics Competition Team 980 Burbank, CA
Mechanical Design Lead July 2019 – May 2023

- Led a team of 7 people in the creation and design of the overall competition robot
- Utilized SOLIDWORKS to create complex assemblies, parts, and part drawings using a wide variety of available features.
- Machined parts following part drawings using Mills, Lathes, Drill Presses, and CNCs.

Raytheon Remote
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.

Leadership and Activities

FIRST LEGO Leauge Burbank, CA
Lead Volunteer August 2020 - November 2021

- Introduced two 15-person groups of elementary schoolers to robot design and block coding
- Assisted in the program being newly added to two elementary schools
- Guided their process in creating and coding a Lego robot for the FLL competition.

JBHS Burbank, CA
Math Tutor August 2021 - May 2023

- Tutored struggling students in Algebra and Geometry for 1.5 hours each school day

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