



Your career is not just a job; it is the journey to discovering your passion and making a difference in this diverse world. My name is Sathya Ganesan, and I would like to pursue a career in the field of Engineering. While I am still deciding on the specific path—whether that will be as an Engineering Teacher, Mechanical Engineer, or Software Engineer—I am confident that the field of Technology and Engineering is where I belong. I plan to graduate from Emerald High School with the Computer Science Pathway completed, which will support my goal of obtaining an internship during college. After I graduate, I aim to work in the field of Artificial Intelligence. The future will rely heavily on artificial intelligence as it continues to replace drivers, grammar checkers, creative processes, and many jobs in various sectors. My goal is to use artificial intelligence to make a positive impact in the world, from programming and training artificial intelligence to testing its applications.

I have several notable achievements in the fields of Science, Technology, Engineering, and Mathematics and have also helped foster the next generation of students. In both 5th and 8th grade, I ran Engineering Clubs. At Fallon Middle School, I founded an Engineering Club in 8th grade, where I trained students to participate in the Alameda County Science and Engineering Fair. Several of my students won category awards, and some received special awards. In 6th grade, I developed an artificial intelligence-based teaching model that detected whether people were wearing masks. This model was submitted to an international competition with over 60,000 students and won third place. In 7th grade, I designed a Raspberry Pi device to detect whether a car was too hot for pets, which earned me second place in the local science fair. In 8th grade, I developed a prosthetic arm for individuals with amputated limbs, allowing them to perform daily actions. This project won first place at the science fair, earning me an invitation to the State Level Fair, and garnered a special award from Thermo Fisher Scientific. It is good to note that I am a very organized person. Apart from Engineering, I am very passionate about music. I am a professional singer and drummer of Indian Classical Music, and that is why the picture above is of me singing.

Given my teaching experience, my achievements, and contributions to future generations, as well as my success working in both team and solo projects, I am a natural leader, diligent, cooperative, and creative. These qualities are critical in the fields of Science, Technology, Engineering, and Mathematics, as collaboration and leadership are essential in workplace settings. From my experience advising students, I have learned that I thrive in organized environments and that clutter hinders my focus. For example, when helping students with their projects, I always ensure they address any clutter before I assist them with specific problems. While I do not yet have work experience, I plan to secure an internship by 10th grade. In conclusion, I am a passionate and accomplished aspiring engineer, dedicated to making a positive impact in the fields of Science, Technology, Engineering, and Mathematics. Thank you for taking the time to read my portfolio, and I invite you to explore the rest of my site.

I can be reached at my email (ganesan4963@mydusd.org)



^ My instrument