

Geo Raguraman

Grade: 11

School: Discovery Canyon Campus

State: Colorado

“What Drives You?”

My passion lies in bringing new ideas to life and using them to create positive change in the world. I am driven by a desire to give back to the community and find great satisfaction in seeing my projects make a meaningful impact.

The interest in innovation and prototyping lead me to be an avid inventor in my basement lab. Some of my passion projects are Regeneratus an adaptive regenerative protection suit for law enforcement and armed forces, Invisieye - An assistive suit for blind and visually impaired people, InCognitive: Inside your inner emotions - an AI product to be used for teen suicide prevention, Run for your Life - an app that increases your longevity, and D-Watch: Smart tracker for Vitamin D. As a natural entrepreneur, I am fascinated by the process of turning ideas into successful startup businesses, and I hope to one day launch a company built on my innovations that will change the world.

I always have a thirst in giving back to the community. I have founded a volunteer program ‘ASK’ (ASAH Stem Kure) to offer robotics and STEM to underprivileged children (ages 5-15) with a mission statement; the fun and benefit of science and technology is for all children without barriers. I launched a free robotics and research program at the family life services Centre a non-profit which helps in the life restoration of single mothers and children from abusive environments. During the STEM camp, I have motivated many of my friends to volunteer in my org to mentor kids in building, programming and researching robotics. I received enormous delight from that program as the children showed excessive interest and the program in turn gave them the opportunity to transform and gain self-confidence. I also extended this program to Villa Hermosa, Guatemala where I organized a robotics outreach program for underprivileged kids to inspire them in STEM. As a mentor and coach, I taught them to build and program a race car and rover which they absolutely loved.

Aerospace always fascinates me, the idea that interest me most is exploring the artificial intelligence (AI) influence in the aerospace industry. I firmly believe that "learning never exhausts the mind," and I am committed to pursuing bachelors in mechanical engineering , masters and Ph.D. in aerospace, with a focus on spacecraft technology. To acquire valuable practical experience, I aspire to work on a rover or other spacecraft at NASA's Jet Propulsion Laboratory in California. With this eminent knowledge I gain from the college I envision myself as an entrepreneur launching my own venture by turning the innovative ideas into reality and make a positive impact in the communities. My key belief is that the entrepreneurship is a key driver of economic growth and development in a country. I am very interested to integrate my innovative brain with ethical technology to address social challenges and promote positive change.