

Kolappa Pillai

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Skills

- Teamwork
- Perseverance
- Problem solving
- Enthusiasm to learn
- Willingness to help others

Experience

September 2014 - Present Day

Boy Scouts of America, Fairfax and Loudoun - *Participating Scout*

- In Scouts, I learned many worthwhile teamwork skills, life skills, and problem solving skills
- I have earned the **robotics merit badge** and I have built a few robots for this class
- I earned the **engineering merit badge** and learned all about objects of engineering

September 2019 - Present Day

Middle School Engineering class and Stone Bridge High School Engineering Courses - *Student*

- My middle schools both had engineering classes. My first middle school had an engineering class that taught us how to utilize Autodesk inventor and we used that to design many small objects and gadgets
- My Second Middle school had a robotics class where we learned to code and we also built vex style robots that moved around and did small tasks

September 2019 - December 2019

FTC Competitor - *Lead Designer and Human Player*

- My first robotics competition
- I had almost no experience beforehand, but I still managed to work with the team on several fronts, and even managed to a leadership position in the team, where I organized what people were working on
 - I also served as the scribe and documented every meeting

- Our team also managed to get all the way to the semifinals, which was impressive, considering we were all middle schoolers playing against mostly high school juniors and seniors
- This paved the way for my second robotics experience

September 2019 - July 2020

FTC Independent Team - COVID Era- *Lead Designer and Human Player*

- I was on an independent FTC team that taught us many skills in robotics like programming, part identification and planning our projects ahead of time
- We met on and off for almost 10 months and learned a lot about the different aspects of engineering
- This was around the time when I realized that robotics would have a big place in our lives in the near future because of all the shipping issues that the lockdown entailed
 - I was thinking in the sense that since a simple pandemic could shut down our daily lives in this way, we should invest our human capital into engineering solutions to serve as protection in case something like this ever happens again

September 2021 - August 2022

VEX Competitor - *Lead Engineer and Human Player*

- My second robotics competition
- We worked on the robot incredibly hard, with a harder goal in mind
- We were given the robots only 2-3 weeks before the competition
 - We were also given almost a quarter of the players we had in the FTC competition to work with
- We also made it to the Semifinals in Maryland on our final competition

August 2022 - present day

VEX Leader- *Lead Engineer, Human Player, Team Leader and Club President*

- My third robotics competition
- Led a team of 3 members to build a VEX robot incorporating new designs such as a shooter and intake system within time and part constraints.
- We were given the parts to build our robot only 2-3 weeks before the competition this year as well
- Managed a secondary team that made it to States.
 - We had a team of 3 people once more
- Made it to the semifinals in 2 out of 3 competitions

Education

August 2012 - June 2019

Union Mill Elementary School

August 2019 - June 2020

Liberty Middle School

August 2020 - June 2021

Trailside Middle School

August 2021- Present Day

Stone Bridge High School