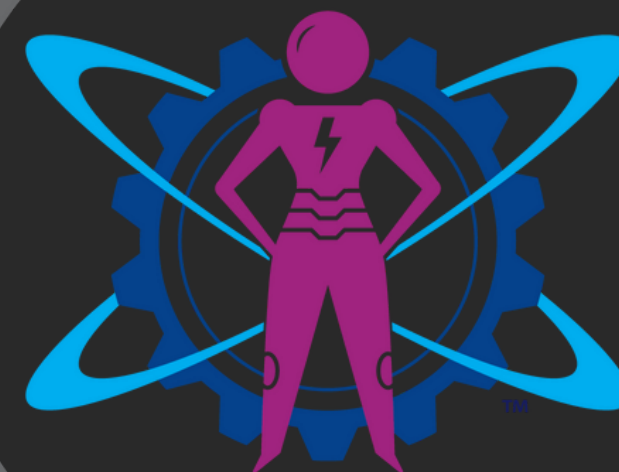


# Girl Powered.



*Our  
Story*



# Women in STEM

When it comes to pursuing a career in STEM, women are often faced with many obstacles due to this male-dominated field. At first, it may seem intimidating and nerve-racking, but we believe that initiatives such as Girl Powered helps women feel like they belong. Where it doesn't focus on them being a minority, but rather makes it something they are proud of; encouraging girls to continue taking these leadership opportunities. Us members of Parsec 3505E want our team to feel both welcoming and safe for those of any gender identification, as we continue to learn all that STEM has to offer.





# *The Beginning for us...*

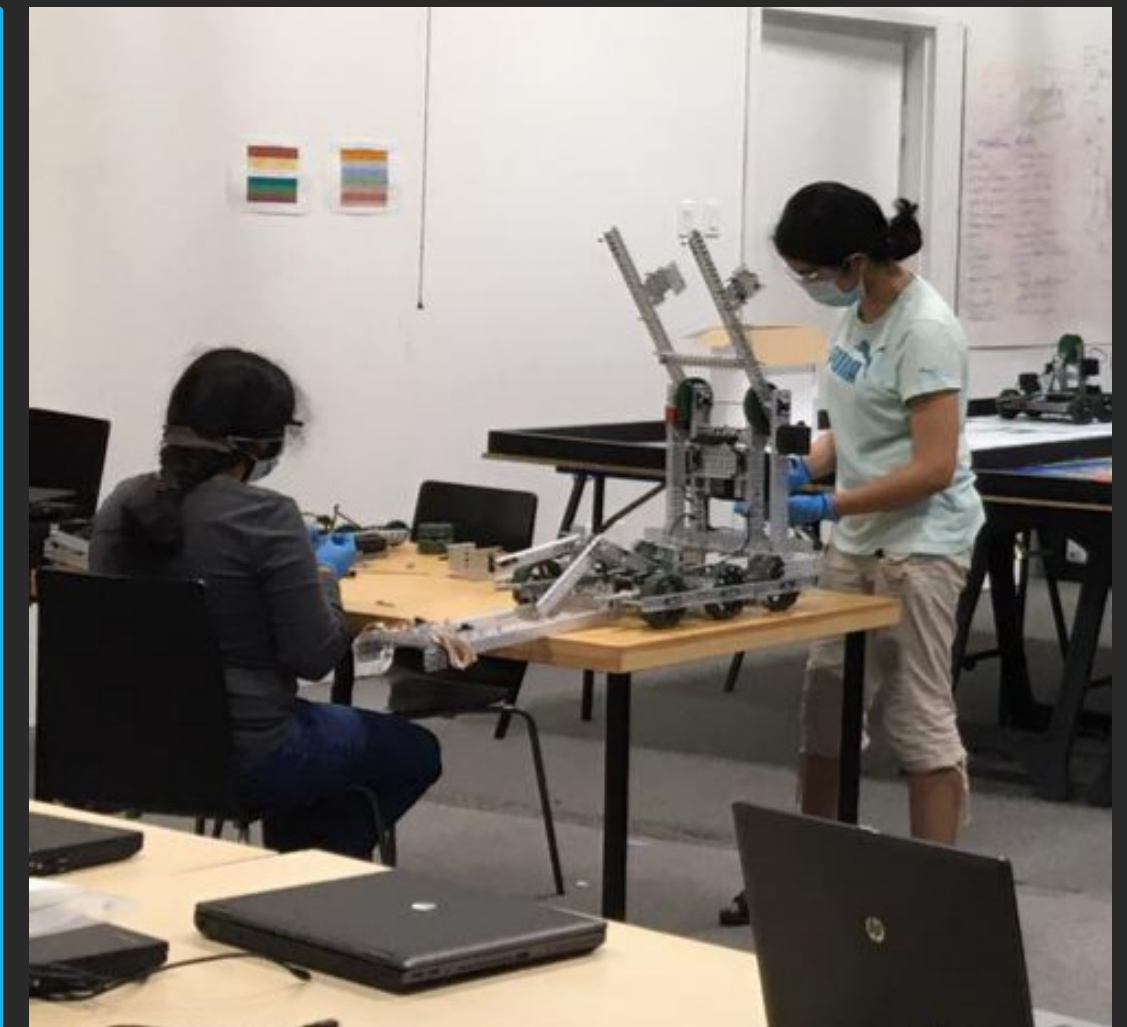
Our team started during the “Turning Point” season, not even knowing what nylocks were, to being able to compete in provincials during the “Tower Takeover” season. Our first year was definitely a huge learning curve for us, as we were inexperienced and had a lot of miscommunication within our team. Fortunately though, we've grown skills wise and in diversity, allowing us to be the well rounded team that we are today.





# Our Real "Turning Point"

Throughout our VEX journey, our team used to only have one girl. As daunting as that may seem, we made sure her voice was always heard and that everyone got equal opportunities, no matter who they identified as. Now, we've been able to slowly get more girls involved in STEM beyond just our team. We've been apart of a Zebra Robotics booth during the yearly Science Rendezvous, encouraging those of all genders, race, religion and more to get a feel for some of what robotics has to offer. Although recently due to Covid-19 it has been virtual, we are hoping to still participate in it oncemore!





# Meet the Team!



Armina Aryaie

Lead Notebooker & Builder

Armina is a senior member, who has been apart of the team since it was created. She is very well-rounded and has helped in almost every aspect over the years including, programming, building and documentation.



Arya Vishnu

Driver & Builder

Arya is a sophomore, with this being her first year doing VEX. She is always eager to expand her knowledge in STEM and actively voices her opinions on how to better strategize.



Junior

3rd year on team



**Josh Szkiba**  
Lead Programmer

Josh is the only programmer on the team and strives to make use of efficient control theory.

Sophomore

2nd year on team

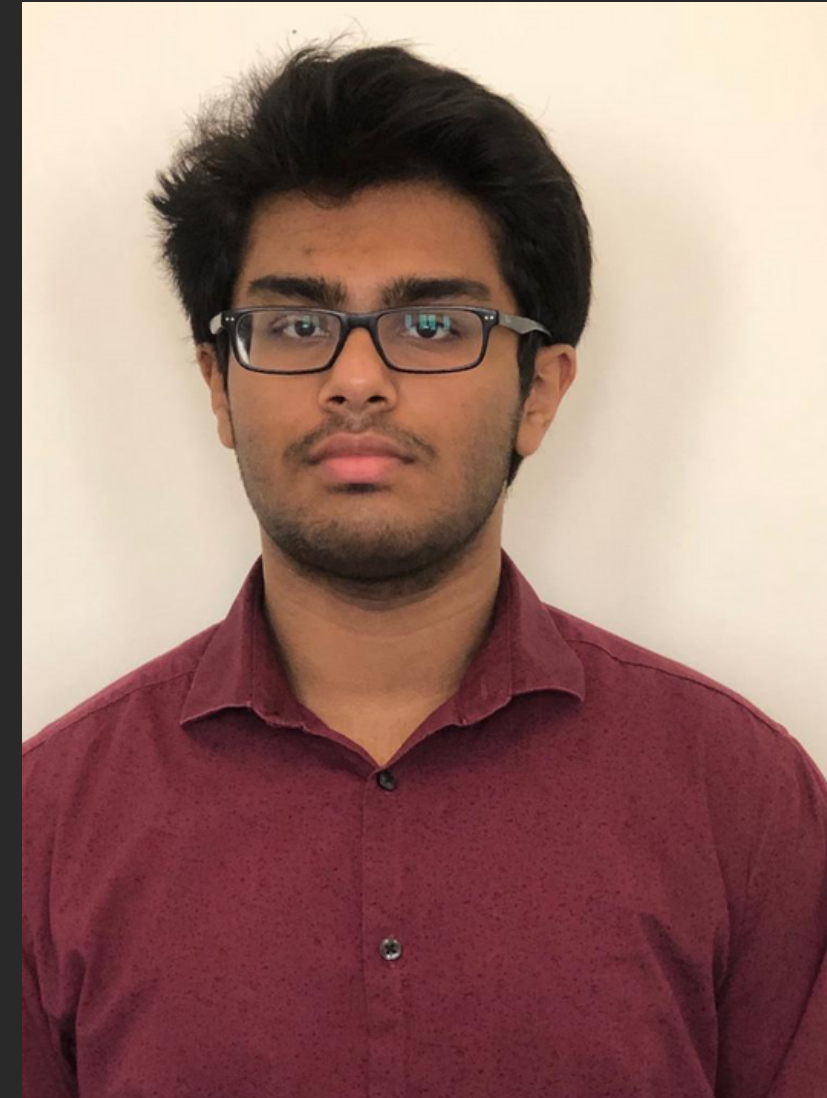


**Daxsin Finnegan**  
Driver, Builder & Website Designer

Daxsin has experience in robotics and demonstrates it with his mechanical skills acquired from past events.

Junior

1st year on team



**Vishal Prakash**  
Builder and Social Media Manager

Vishal P. takes initiative to learn extensive build techniques and also manages our social media account.

Junior

1st year on team



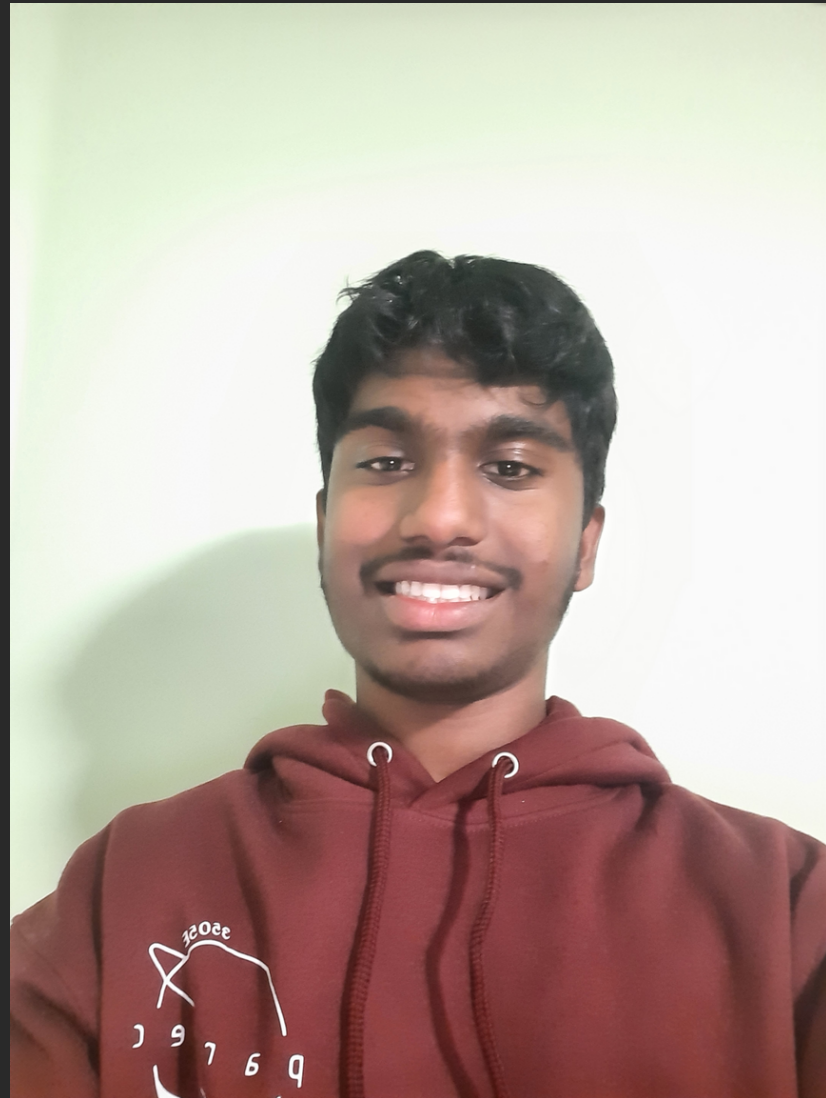
**Ishan Sharma**  
Builder and Social Media Manager

Ishan is one of the many team members this year and is our lead social media coordinator.



Senior

4th year on team



**Vishal Jayakumar**  
Lead CAD and Builder

Vishal J. loves to design/build. He is an integral part in our team's robot design.

Senior

1st year on team

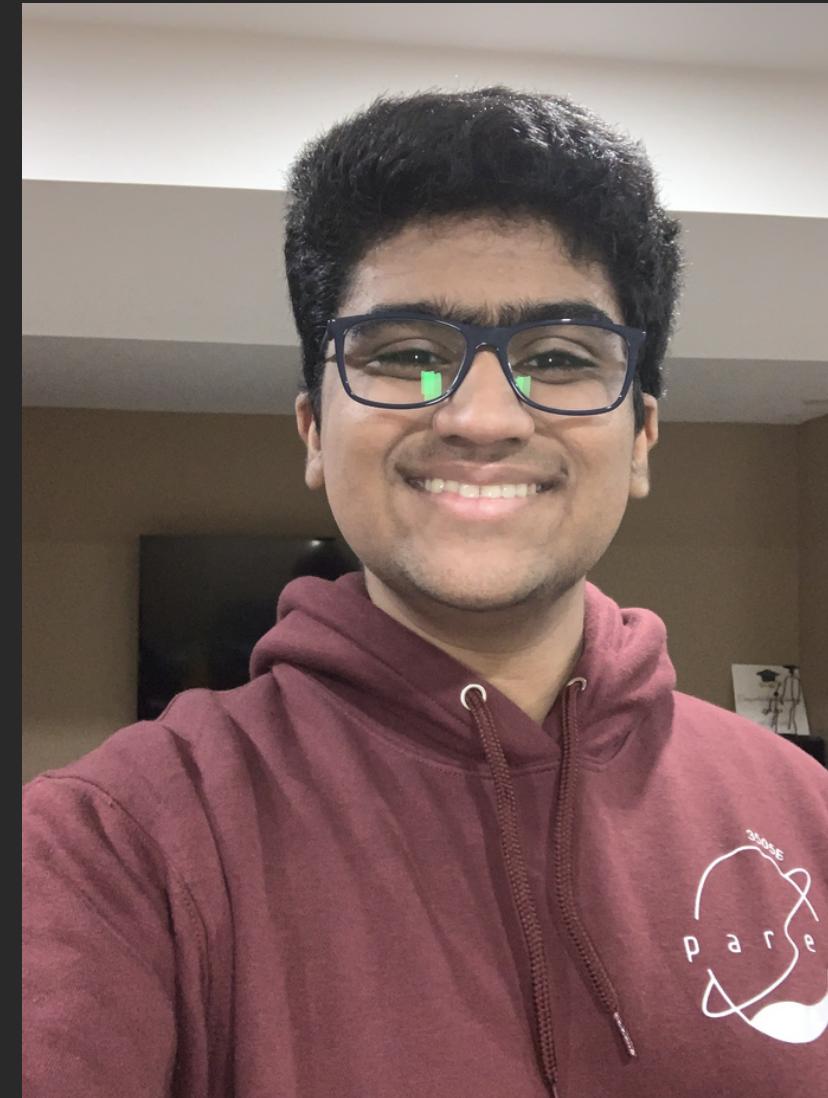


**Ethan Roopnarine**  
Builder and Photographer

Ethan captures the team progress with both his photography and videography skills.

Junior

1st year on team



**Samir Vatti**  
Builder and Project Manager

Samir is very organized and dedicates a lot of his time designating tasks and timelines to subteams.

Senior

4th year on team



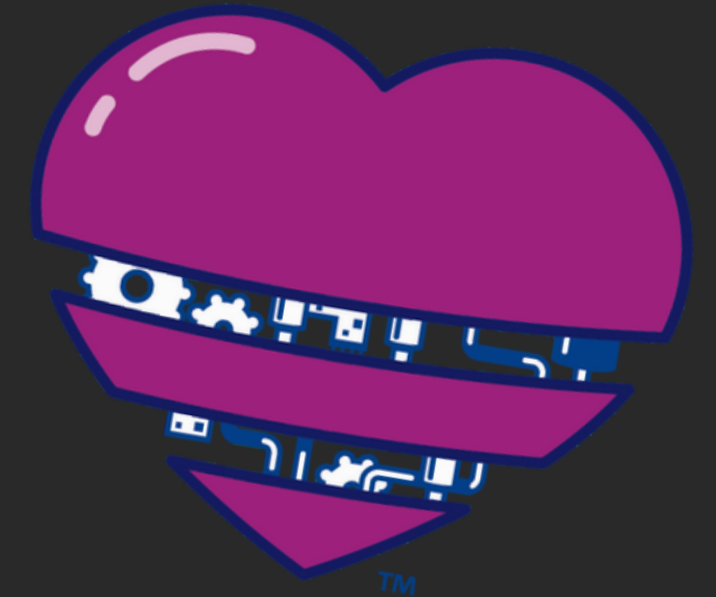
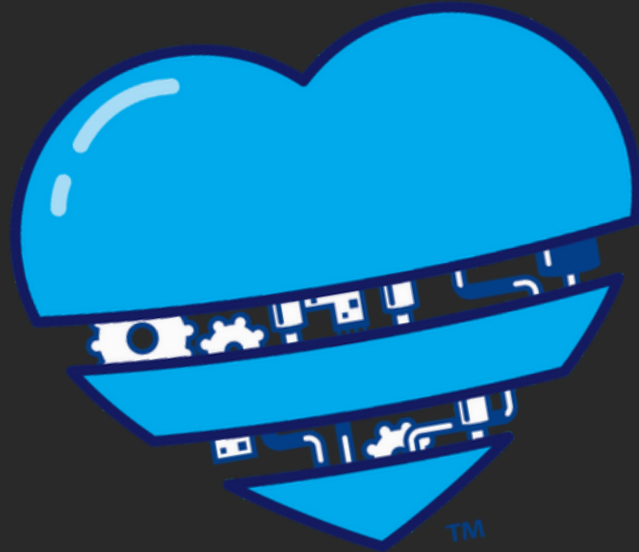
**Adam Abdulahad**  
Lead CAD and Builder

Adam is a key factor of the design strategies, ensuring that the robot has the required capabilities.



# Our Team Dynamic

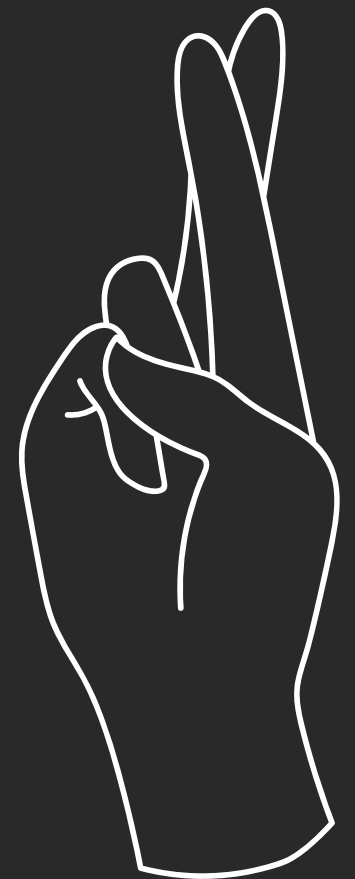
Despite Covid-19 affecting how often we came in to physically work on the robot, we took that time to redirect our focus towards the notebook, online challenges and our overall team dynamic. This allowed us to notice that many of our team members have various levels of robotics experience and we had our senior members teach the newer members some of the basics, creating close bonds along the way. This diversity of our team let us have multiple different perspectives for new and upcoming challenges, with everyone contributing to every aspect of the robot in one way or another.





# Competitive Status

Unfortunately we haven't competed in any tournaments this season due to the cancellation of events in our area, but we are staying hopeful for some live remote tournaments and potentially some in person ones in the near future. With that being said, our rookie drive team: Daxsin and Arya, will be competing in an upcoming LRT. Although we are also going to see our other drive teams compete in LRT's as well, since we want all of our members to have that hands-on competitive experience, despite how different it is compared to usual years.



# Our Role Model

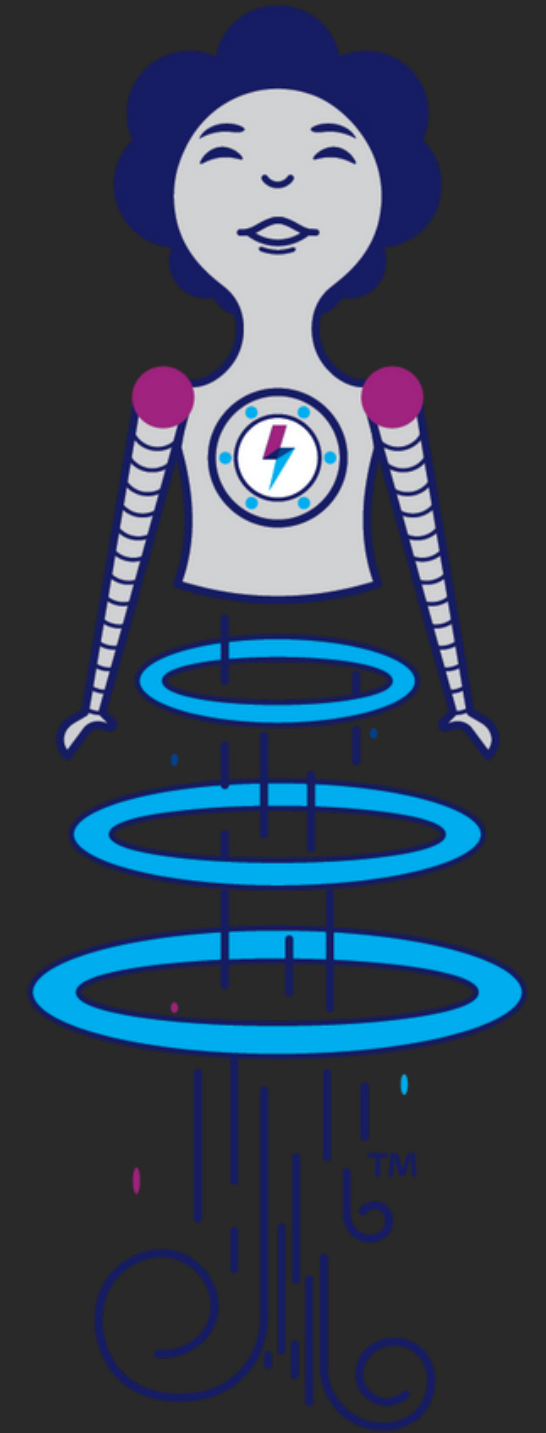
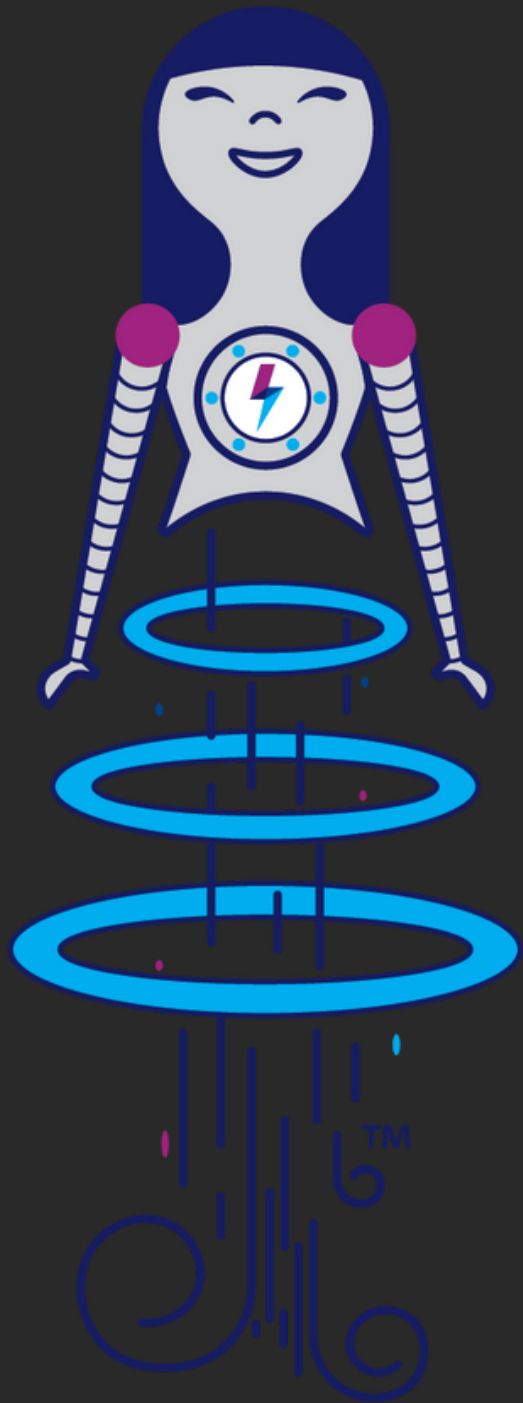
Jenan Abderrahman is one of the lead instructors at Zebra Robotics; as such, she is a huge inspiration to our team. During her Junior year, she discovered her passion for engineering within her physics class and followed her dreams into Post-Secondary as she achieved a Bachelors Degree in Aerospace Engineering at Ryerson University. Since then, she has become a Process Control Engineer at Lakeside Process Controls alongside her job at Zebra. Whenever we get to meet with her, she has always been an easy person to talk to when it comes to women in STEM and has become a public image for such. She motivates us to be more inclusive and pushes us to follow our dreams no matter how difficult it may seem.





# Team Diversity

Throughout the past few years, the team has really grown. Everyone of us, has learnt something new from our numerous experiences. Whenever we are collectively together as a team or as subteams, we bounce off of each other's ideas. Although everyone on the team has their specific roles, we are open to anyone voicing their opinion and being apart of other areas besides their own. This means that not only has our team grown in technical experience, but also in communication and teamwork. The entire team believes that having girls on the team boosts our morality and belief that robotics is for everyone, and that if you work hard enough and set appropriate goals, anyone can accomplish anything.



# Credits

Title of Submission: "Girl Powered: Our Story"

Team name: Parsec

Team number: 3505E (used to be 76529Z)

Location of Team: Ontario, Canada

Name of entrant: Armina Aryaie

