**Aditya Bagga**

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Education

* Cupertino High School

Leadership and Experience

**Founder of** **Novable 2017 - Present**

* Founded non-profit organization to spread knowledge about technology to the community using a youth to youth network
* Held 4 camps lasting 5 sessions each to reach a total of 80 kids in 3 cities
* Novable.org

**Secretary at a Bay Area Toastmasters Gavel Club 2016 - 2019**

* 2 term VP of Public Relations Officer and 3 term Secretary
* Organized Events such as Open Houses and Speaking Contests
  + Helped Organize 6 week Youth Leadership Program
* Revamped Club with new activities and google services to improve club efficiency

**Speech and Debater on Local Circuit 2017 – Present**

* Experienced Lincoln Douglas Debater
* Experienced Extemporaneous and Impromptu Speaker
* Won prominent awards and received winning recorders at multiple tournaments
  + Berkeley Invitational, Santa Clara Invitational, Junior Varsity Championships

**Leader of Multi-Platform Robotics Team 2014 – Present**

* Participated in a wide variety of robotics competitions
  + First Lego League, World Robotics Olympiad, VEX Robotics
* 4 Years of experience in software and hardware for robot development

**Active Volunteer in Community Activities 2016 – Present**

* Volunteered for multiple events and programs across the city
  + Over 40 hours spent in CUSD Robotics mentoring
* Helped teach electronics camps in afterschool’s and community centers
* Started Novable, a Non-Profit organization to teach technology concepts through the Arduino Platforms

**Created Automated Feeding Robot for the Disabled 2016 – Present**

* 4-joint robotic arm to feed food on a plate
* Uses object detection to identify location and dimensions of food
  + Worked with the raspberry pi to use python and computer vision libraries
* Implemented kinematic equations to control arm movement
* [bluestampengineering.com/student-projects/aditya-b/](https://bluestampengineering.com/student-projects/aditya-b/)

Awards and Recognitions

* 6th in the 2017 World Robotic Olympiad United States Nationals
* Champions Award in the 2016 First Lego League Qualifying Tournament
* Best Speaker at Multiple District Toastmaster Speaking Competitions
* Octo-finalist at Santa Clara Invitational and JV Championships
  + Top Speaker
* 3rd Place in 2019 Middle School State Championships in Extemporaneous Speaking
* Winning Records at Stephen Stewart Invitational and Panther Fun Invitational