

Pradyun Narkadamilli

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Education

Dougherty Valley High School (4.3 GPA) | 2017-2021

- Relevant Coursework: APCS, Introduction to Computer Science, Calculus BC
- Active in Hack Club, XREdu Club, and Linux Club
- I teach python at Dougherty Station Library to middle schoolers for free.
 - Later helped the library establish a volunteer teaching program for general courses

Experience

Head of Technology | DVHacks, San Ramon, CA | Jul 2019 – Present

- Developing website and other backend software used at events
- Writing workshop curriculum for the event
- Mentoring 200+ attendees at the events

Head Organizer | ProHacks, San Ramon, CA | May 2019 – Present

- Managing public relations and advertising prior to the event
- Composing Workshops for the hackathon
- Developing the software involved with the event (website, check in system, etc.)
- Moved online due to the Covid-19 Pandemic

Captain | VEX Team 3304R | Dublin, CA | March 2019 – Present

- Designing the robot based on the constraints of the game. Was the primary builder as well.
- Lead programming team, programmed robot's movement with PID and Odometry techniques
- Tournament Championship and State Qualifier as a first year team of 7 people

Head of Technology | LaunchHacks II, Cupertino, CA | Apr 2019 – Apr 2020

- Developing the website for the event
- Mentored the 100+ attendees

Ultrabot (Personal Project)

- Discord Bot framework including reddit scraping, weather API interfacing, moderation, music, etc.
- Uses NLP for a beta-phase conversation mode. The model analyzes user response, and formulates 'speech' accordingly

Vital (Personal Project)

- Uses temperature and humidity data from a raspberry to inform gardeners of their plant conditions
- Interfaced this data with a website, Android App, iOS app, and Google Assistant Routine

Programming Skills

- Languages: Python, Java, JavaScript, Rust, C++
- Expertise: SQL, Firestore, Tensorflow, React, writing APIs

Honors and Awards

- National Finalist, Samsung Solve for Tomorrow | 2020 – Devised an information net that took temperature, smoke, and humidity data from arduino 'nodes', then used ML to detect/predict the path of a fire.
- National Quarterfinalist, VEX Robotics CREATE US Open | 2019 – Made it to the top 16 teams at VEX national championships. Note that there are over 11,000 teams competing in VEX currently.
1st Place HackMerced AGFoodTech | 2019 – Created a glove-like input method that captured hand movements in a 3D space.