Pradyun Narkadamilli

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(408)-368-2638   [Github](#)

Education
Dougherty Valley High School (4.3 GPA) | 2017-2021 [Personal Website](#)
- Relevant Coursework: APCS, Introduction to Computer Science
- Active in Hack Club, XREdu Club, and Linux Club
- Taught python to middle schoolers at Dougherty Station Library

Programming Skills
- Languages: Python, Java, JavaScript, Rust, C++, SQL
- Utilities: Firestore, React, writing APIs, Mobile Development, Linux System Administration

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. That earned my school $50,000 in prizing.
- **1st Place HackMerced AGFoodTech** | 2019 – Created an input method that captured hand movements in 3D space. Used an IMU, and parsed data into Unity with a Kalman Filter.
- **National Quarterfinalist, VEX Robotics CREATE US Open (Ohio)** | 2019 – Got into top 16 teams out of 11,000 participating teams at VEX national championships.
- **Other Notable Wins** @ LaunchHacks, CodeDay Bay Area, SMHacks

Experience
Ultrabot
- Discord chat-bot framework written in python, using the Discord SDK.
- Handles many common tasks with modular 'cogs'. Includes moderation, games, code runtimes, and more.
- Beta-testing an NLP/ML version of the bot, allowing it to actively engage in conversation, like a person.

Vital
- 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

Head of Technology | *DVHacks, San Ramon, CA | Jul 2019 – Present*
- Developed website and other backend software used at events
- Wrote workshop curriculum for the event
- Mentored 200+ attendees at the events

Captain | *VEX Team 3304R | Dublin, CA | March 2019 – Present*
- Designed the robot based on the constraints of the game. Was primary builder as well.
- Lead the programming team, and programmed robot's movement with PID and Odometry techniques
- Tournament Championship and State Qualifier as a first year team of 5 people

Head Organizer | *ProHacks, San Ramon, CA | May 2019 – May 2020*
- Managed public relations and advertising prior to the event
- Developed the software involved with the event (website, check in system, etc.)
- Moved event online due to the Covid-19 Pandemic

Head of Technology | *LaunchHacks II, Cupertino, CA | Apr 2019 – Apr 2020*
- Developed the website for the event
- Mentored the 100+ attendees