

JASH DADIA

Dublin High School, CA

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STEM AND BUSINESS ENRICHMENT

iStart Valley *ClearCruze* Summer 2025 - Present and Conrad Challenge Oct 2025-26

Enhance an entrepreneurial mindset through exposure to startup ecosystems, business models, product-market fit, and emerging trends. Plan to pitch an innovative app, gain Lean Launchpad exposure, and earn a Stanford Design Thinking certification. Leading iStart and Conrad Challenge teams, refine project w/ team.

BlueStamp Engineering San Jose, CA June – July 2025

Built Gesture-controlled Robot using Arduino Uno and Nano at BlueStamp Engineering. Involves coding, setting up hardware, and Bluetooth communication for real-time control. [See portfolio.](#)

UCLA Nanoscience Summer Institute July 28 – August 8, 2025

Explored nanoscience and engineering through literature reviews and design thinking, developed a nanotechnology-based product. Collaborated on a team to validate and pitch the innovative product to simulated investors, enhanced entrepreneurial skills.

Tech Challenges and Hackathons 2023 – Present *Congressional App Challenge* 2025

Participate in open-source programming and AI/ML Week's tech challenges, networked with the Major League Hacking community. For Congressional App, developed Obstacle Detection system for e-scooters.

***VEX Robotics Design Leader, Primary CADder* 2022-25, *FIRST Lego Robotics* 2018-2019**

Started with FIRST Lego Robotics (2018-2019), with a top 10 finish. Competed in the High Stakes Challenge to design and build robots to score rings. Used Autodesk Fusion 360 to design key components for our robot, earned Best Design Award. (See Awards).

Las Positas Community College: Geometry 2022, Drone Programming 2023

Used Scratch and Python, assembled and program drones from base parts, and related aerodynamics and physics concepts. Built drone and programed drone to go through tight obstacle course, finished *Top 3*.

Personal Projects 2025 – Present

Gained exposure to AI/ML tools and techniques and learned python. See [Portfolio](#). Researched about AI, automation, and electric vehicles: [Individual Research Report](#) and [Team Multimedia Presentation](#). For Computational Fluid Dynamics and its applications in Formula One: [Aerodynamics in Formula One](#)

SCHOOL AND OUTSIDE SCHOOL-BASED INTERESTS

Engineering Pathway and Engineering Club 9 -12 Technology Student Association *Member* 10-12

Dublin Engineering and Design Academy (DEDA) Entrepreneurship Competition 9 - 12

Competed in the Dublin Engineering Design Academy Entrepreneurship Competition alongside Pathway honors coursework. In 2023: co-designed an independent pet care robot capable of refilling food, self-charging, and playing with pets, pitched to Silicon Valley investors like Google and Roche. 2024: led the creation of an autonomous home plant watering system connected to an app, 3D printed and included an Arduino, developed the 3D CAD model and promotion video, presented the project to Sandia Laboratories. Engaged with experts and explored careers through DEDA via guest speaker sessions and field trips. Visited Livermore Water Treatment Plant, Livermore Hangar, and Lawrence Livermore NL.

California Scholarship Federation 11, 12

Volunteer at DHS Greenspace Gardens to cultivate plants in a sustainable environment, group projects.

JV Tennis 10, 11, 12, Bay Area Cricket – SRCA, 2019 – Present, Cricket Club 9, 10, 11, 12

Play singles for the Dublin High JV Tennis team, connecting with peers through competitive matches. Active member of the San Ramon Cricket Association, playing Inter-League events across the USA. Contributed to the Dublin High School Cricket Club throughout high school, played inter-school matches.

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LEADERSHIP, COMMUNITY OUTREACH, CIVIC ENGAGEMENT

College Board Schoolhouse World SAT Selected Tutor Summer 2025 – Present
Tutor / Mentor students for upcoming SAT math exams (currently tutoring four students).

Congressional Award Program, March 2025 – Present
Focus on service, STEM, fitness, and cultural exploration through the Congressional Award program.

Missing Maps Information Volunteer, St. Jude Children's Hospital Pen Pal, March 2025 - Present
Assist with Red Cross' collaborative project to identify areas to improve search & rescue efforts, see www.missingmaps.org. Write weekly notes to children undergoing treatment for life-threatening diseases.

John Green Elementary School – Science Fair Volunteer, 2023
Volunteered at the John Green Elementary School Science Fair in 2023, supervising children aged 5-11 and teaching key science and physics concepts. Prepared and distributed materials for hands-on activities and assisted participating organizations with setup and takedown.

Fallon Middle School - Po-Shen Loh Speech Panelist Volunteer, 2023
Volunteered at Fallon Middle School in 2023 as a Po-Shen Loh Speech Panelist, assisting with setting up audience and audiovisual equipment. Benefited by meeting Po-Shen Loh in person, learned from insights.

HONORS RECOGNITION

National Merit Commended Scholar and AP Scholar With Distinction 2025

Honor Roll and Academic Block D W GPA: 4.33

DEDA Class Winner, Showcase Qualifier (250 Teams) 2023 – 2024, Pitched to Silicon Valley Investors

VEX Robotics Best Design Award 2025

Las Positas Community College Drone Competition Programmer/Flight Top 3 2023

Best Bowler – California Under-16 Cricket 2024

FAVORITE QUOTE

“Scientists study the world as it is, engineers create the world that never has been.”

~ Theodore von Karman, physicist and Aerodynamic theoretician

Congressional Award Bronze Medal and President's Volunteer Service Award Exp. Nov 2025

AP EXAMS AND ACHIEVEMENT SCORES

2026 Statistics, Macroeconomics, US Government, Physics-C Mechanics

2025 Calculus BC (5), Chemistry (4), Seminar (3)

2024 Calculus AB (5), World History (3)

SAT 1500 – 790 Math, 710 Reading

PSAT 1450 – 760 Math, 690 Reading, NMST Score: 214

SKILLS

Languages: Multilingual (English, Gujarati, French, Hindi)

Tech-based Skills: Autodesk Fusion 360 Certification, Python, C++, HTML/CSS/JS, OBS Studio/YouTube/Clipchamp, Adobe Photoshop/Premiere Pro