JASH DADIA

Dublin High School, CA

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STEM AND BUSINESS ENRICHMENT

iStart Valley Summer 2025, 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. Will refine project with a team for the Conrad Challenge.

BlueStamp Engineering San Jose, CA June – July 2025
Plan to build object detection system using TensorFlow Lite on a Raspberry Pi at BlueStamp Engineering. Involves coding, setting up hardware, and integrating machine learning models for real-time detection.

Economics for Leaders Virtual, June 2025
Study macro and microeconomic concepts, from economic growth and scarcity, opportunity cost, open markets, incentives, innovation, and roles of institutions and government, and the impact of inflation.

Tech Challenges and Hackathons 2023 – Present
Participate in open-source programming and AI/ML Week's tech challenges, networked with the Major League Hacking community, and am currently working towards Hacker Rank certification (see Awards).

***VEX* Robotics** *Design Leader, Primary CADder* 2024-25, ***FIRST* Lego Robotics** 2018-2019
Started with FIRST Lego Robotics (2018-2019), building and programming Lego Mindstorms robots to complete obstacle course tasks, with a top 10 finish. Led to my role as VEX Robotics Design Leader (2024-25), used Autodesk Fusion 360 to design key components for our robot, earned Best Design Award.

Las Positas Community College:
Geometry 2022, **Drone Programming Camp** 2023, **Intro to Perceptual Drawing** 2025
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*.

AIClub Machine Learning and AI 2020
Gained exposure to AI/ML tools and techniques to create a 90% accurate model, started learning Python.

SCHOOL AND OUTSIDE SCHOOL-BASED INTERESTS

Engineering Pathway 9, 10, 11, 12
Dublin Engineering and Design Academy (DEDA) Entrepreneurship Competition 9, 10, 11
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, creating its 3D CAD model and edited a video to pitch the concept to Silicon Valley investors, including Google and Roche. In 2024, led the creation of an autonomous home plant watering system connected to an app, designed for 3D printing with an embedded microcontroller, and developed the 3D CAD model and promotion video, presenting the project to Sandia Laboratories.

Engineering Club 9, 10, 11, 12, **Technology Student Association** *Member* 11, 12
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. Up to date on emerging technologies and trends through the Technology Student Association.

California Scholarship Federation 11, 12
Volunteer at DHS Greenspace Gardens to cultivate plants in a sustainable environment.

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.

LEADERSHIP, COMMUNITY OUTREACH, CIVIC ENGAGEMENT

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 chairs, the speaker podium, and audiovisual equipment. Had the privilege of meeting Po-Shen
Loh in person and gained valuable life skills through his insights.

HONORS RECOGNITION

National Merit Commended Scholar and **AP Scholar With Distinction Exp** 2025

DEDA Class Winner, *Showcase Qualifier* (**250 Teams**) 2023 - 2025, **Pitched to Silicon Valley Investors**

VEX **Robotics Best Design Award** 2025

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

Honor Roll and Academic Block D WGPA: 4.33

FAVORITE QUOTE

"Scientists study the world as it is, engineers create the world that never has been."
~ Theodore von Karman

AP EXAMS AND ACHIEVEMENT SCORES

2026   Statistics, Macroeconomics, US Government, Physics-C Mechanics
2025   Chemistry, Calculus BC
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:	Certiport Autodesk Fusion 360 Certification, Python, C++, HTML/CSS/JS,
	Open Broadcaster Software Studio/YouTube/Clipchamp