

YUVRAJ TANEJA

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- ◊ Senior at Sacred Heart Preparatory

AWARDS

- ◊ NeurIPS Global Award **2024**
- ◊ President's Volunteer Service Award Gold Medal **2024**
- ◊ Melvin Jones International Humanitarian Services Award **2024**
- ◊ AP Scholar With Distinction **2025**
- ◊ National Merit Scholar **2024**
- ◊ Water Polo Academic All-American GPA Award **2022-25**
- ◊ Menlo Rotary Excellence in Computer Science Award **2024**
- ◊ Control and Innovate Award, NorCal Robotics **2023, 2024**

LEADERSHIP

- ◊ Youth President, Maji Wells '21-25
- ◊ Robotics Leadership **2024**
- ◊ Water Polo JV Team Captain **2024**

RECOGNIZED & FEATURED

- ◊ Changing Lives [Spring 24], Sacred Heart Magazine **2024**
- ◊ Presenter, MDCON23, Multi-District East Africa Conference **2023**

KNOWN LANGUAGES

C, C++, Python, Javascript, Java, HTML, CSS

EDUCATION

HIGH SCHOOL @ <i>Sacred Heart Preparatory.</i>	2022-Present
◊ GPA: 4.12	
◊ AP: Computer Science A, Physics 1, Calc BC, Micro/Macroeconomics, English Lang, Spanish Lang, Chem, Physics C, US Gov, English Lit	
◊ Post-AP: Advanced Topics in Computer Science, Machine Learning Honors, Advanced Topics in Math Honors, Multivariable Calculus Honors	
SOCIAL ENTREPRENEURSHIP @ <i>UCLA</i>	Summer 2025
BEHAVIORAL ECONOMICS @ <i>John Hopkins</i>	Summer 2024
PYTHON FOR ECONOMICS @ <i>UCLA</i>	Summer 2023
REMOTE SENSING @ <i>MIT Beaverworks</i>	Spring 2024
HARVARD GIS INSTITUTE@ <i>Harvard</i>	2025

PROJECTS, VOLUNTEERING, & LEADERSHIP

INTERN @ <i>HARVARD SPATIAL DATA LAB</i>	2024-present
◊ Working with Prof. Wang, used topology & flood data to select ideal location for a water reservoir across 500 sq. miles; Led assessment with Maasai	
YOUTH PRESIDENT @ <i>Maji Wells</i>	2021-present
◊ Reduced need to walk for water for 15,000 Maasai, doubled weekly income, fundraised over \$200K, deploying over 275 rainwater units	
◊ Developed a machine learning-based satellite image classification model to identify living locations for placing units.	
ROBOTICS LEADERSHIP @ <i>Sacred Heart Preparatory</i>	2024-2025
◊ 1 of 3 Captains, distributed and managed a team of over 100 high schoolers on four different FTC teams. Robotics member for four years.	
DUAL SPORT ATHLETE @ <i>Sacred Heart Preparatory</i>	2022-Present
◊ 2x Varsity Swim, 2x WBAL Champions, Water Polo Junior Varsity Captain, 3x Water Polo All CCS Champions, 3x Water Polo All Norcal Champions, 3x USA Water Polo Junior Olympian.	

PUBLICATIONS & ACADEMIC CONFERENCES

PATENTS PENDING	◊ No. 63/703,232	◊ No. 19/346,990
PRESENTER: NEURIPS @ <i>Vancouver, Canada</i>		Winter 2024
PRESENTER: MACHINE LEARNING 4 EARTH OBSERVATION CONFERENCE @ <i>The University of Exeter, UK</i>		Summer 2024
PRESENTER: HARVARD GIS INSTITUTE		2025
PRESENTER: AICC EURIPS		2025
PUBLICATION: ASSESSING THE IMPACT OF RAINWATER HARVESTING ON 4500+ MAASAI [NHSJS]		2024
PUBLICATION: OBJECT DETECTION IN SATELLITE IMAGERY FOR PLACEMENT OF RAINWATER UNITS, LOSIMINIGORI, TANZANIA [NHSJS]		2025