

YUVRAJ TANEJA

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♦ Junior at Sacred Heart Preparatory

AWARDS

♦ President's Volunteer Service Award Gold Medal **2024**

♦ Melvin Jones International Humanitarian Services Award **2024**

♦ Water Polo Academic All-American **2022, 2023, 2024**

♦ Menlo Rotary Excellence in Computer Science Award **2024**

♦ Control and Innovate Award, NorCal Robotics **2023, 2024**

LEADERSHIP

♦ Youth President, Maji Wells, Outreach and Special Projects **2021-present**

♦ Robotics Leadership, Sacred Heart Preparatory **2024**

♦ Team Captain Junior Varsity, Sacred Heart Preparatory **2024**

♦ Team Lead, Robotics Club, Sacred Heart Preparatory **2022-present**

RECOGNIZED & FEATURED

♦ Presenter, NeurIPS **2024**

♦ Presenter, ML4EO **2024**

♦ Changing Lives [Sprint 24], Sacred Heart Magazine **2024**

♦ Presenter, MDCON24, Multi-District East Africa Conference **2023**

KNOWN LANGUAGES

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

EDUCATION

HIGH SCHOOL @ Sacred Heart Preparatory. **2023–Present**

♦ GPA: 4.14

♦ AP: Computer Science A [5], Spanish Language [4], Physics 1, Calculus BC, Microeconomics, Macroeconomics, English Language and Composition

♦ Post-AP: Advanced Topics in Computer Science, Machine Learning Honors

BEHAVIORAL ECONOMICS @ John Hopkins University **Summer 2024**

PYTHON FOR ECONOMICS @ UCLA Summer Institute **Summer 2023**

REMOTE SENSING @ MIT Beaverworks **Spring 2024**

HARVARD GIS INSTITUTE@ Harvard **2025**

PROJECTS, VOLUNTEERING, & LEADERSHIP

YOUTH PRESIDENT, WATER PROGRAMS @ Maji Wells **2021–present**

♦ Reduced need for women to walk for water from 9 hrs per day to 3 hrs/day by fundraising over \$100K and deploying 100 rainwater harvesting units over four years; Helps 4500+ Maasai in Monduli, TZ. Led a team of 10 students to conduct on-ground research published in NHSJS

♦ Developed a machine learning-based satellite image classification model to identify living locations for 30,000 Maasai to plan the placement of the next 100 water harvesting units.

ROBOTICS LEADERSHIP @ Sacred Heart Preparatory **2024–2025**

♦ As 1 of 3 Captains, distributed and managed a team of over 100 high schoolers over four different FTC teams, as well as planning events for funding and team bonding.

DUAL SPORT ATHLETE @ Sacred Heart Preparatory **2023–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

PRESENTER: NEURIPS @ Vancouver, Canada **Winter 2024**

PRESENTER: MACHINE LEARNING 4 EARTH OBSERVATION CONFERENCE @ The University of Exeter, UK **Summer 2024**

PUBLICATION: ASSESSING THE IMPACT OF RAINWATER HARVESTING ON 4500+ MAASAI **2024**

♦ Published in NHSJS

PATENT PENDING, PUBLICATION: OBJECT DETECTION IN SATELLITE IMAGERY FOR PLACEMENT OF RAINWATER UNITS, LOSIMINIGORI, TANZANIA **2024**

♦ Patent Pending, Peer Review in NHSJS, NeurIPS

PRESENTER: MDCON23, MULTI-DISTRICT EAST AFRICA CONF. @ Lions International, Tanzania **2023**

♦ Audience of 600 intl. Members from across East Africa