

Ishan Mitra

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EDUCATION

2014 – Present	MONTA VISTA HIGH SCHOOL Cumulative GPA (Unweighted): 3.89 SAT Score: 1530 Math: 780 Reading & Writing: 750 SAT II Math Score: 800	CUPERTINO, CA
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WORK EXPERIENCE

2016 – Present	SCOREDATA <i>ScoreData is a startup that offers machine learning and data analytics services to businesses.</i> Intern <ul style="list-style-type: none">Utilized a combination of ScoreData's machine learning platform and Python to create and assess the accuracy of 5 machine learning algorithms for diagnosing breast cancer and diabetes; findings were published in a research blog on the company's website.Collaborated with the Senior VP of Engineering to test the company's machine learning platform, working to find bugs and inconsistencies in its ML model creation; specifically employed R to create a visualization script for K-means cluster data to discover a bug and notify the appropriate software engineers about the problem.Developed server code using Node.js to build out a "Labs" page that displays the various applications of the machine learning models made by users of the ScoreData platform.	PALO ALTO, CA
2015 – Present	MATHANDCODING <i>MathAndCoding is a non-profit that offers free STEM classes to students in libraries all across the Bay Area.</i> Co-Director of Robotics <ul style="list-style-type: none">Created a 4-week curriculum based on Lego robotics to inspire 400+ kids to pursue engineering.Taught 55+ classes, consisting of 20-25 students each, where students were encouraged to build their own Lego robots and program them to complete a series of tasks; based on exit surveys, about 60% were inspired to pursue a career in engineering.	CUPERTINO, CA

LEADERSHIP

2016 – Present	MONTA VISTA HIGH SCHOOL ROBOTICS Director of Electrical Engineering/Driver <ul style="list-style-type: none">Duties included conducting training for 100 new members, maintaining a working repository of code for the robot Github, reviewing pull requests made by a team of 20 software engineers, and organizing the wiring of sensors and the robot as a whole.Controlled robot under high amounts of stress at 3 competitions per year, making critical repairs to the robot in between matches.	CUPERTINO, CA
2015 – Present	MATHANDCODING Co-Director of Robotics <ul style="list-style-type: none">Responsibilities included training new teachers and assistants as well as teaching classes of up to 25 elementary and middle students for 2 hours at a time.	CUPERTINO, CA

HONORS & AWARDS

2016	PRESIDENT'S VOLUNTEER SERVICE BRONZE AWARD This award is given to any individual who accumulates 100+ volunteer hours in a year.
2015	MVHS ROBOTICS: ELECTRICAL ROOKIE OF THE YEAR AWARD The purpose of this award is to recognize the contributions a new member has made to the electrical division.
2013	FLL PENINSULA CHAMPIONSHIP: SECOND PLACE CHAMPION'S AWARD This award is presented to the runner-up at the 2013 First Lego League Peninsula Championship. MVHS Robotics placed second out of a total of 47 teams.

SKILLS & INTERESTS

Present	Fluent in Android, C++, CSS, HTML, Java, Javascript, Node.js, and Python; avid drone flyer; hip-hop music enthusiast; international traveler; podcast nerd
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