

# Ishan Mitra

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## EDUCATION

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

2016 – Present	<b>SCOREDATA</b> <i>ScoreData is a startup that offers machine learning and data analytics services to businesses.</i> <b>Intern</b> <ul style="list-style-type: none"><li>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.</li><li>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.</li><li>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.</li></ul>	<b>PALO ALTO, CA</b>
2015 – Present	<b>MATHANDCODING</b> <i>MathAndCoding is a non-profit that offers free STEM classes to students in libraries all across the Bay Area.</i> <b>Co-Director of Robotics</b> <ul style="list-style-type: none"><li>Created a 4-week curriculum based on Lego robotics to inspire 400+ kids to pursue engineering.</li><li>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.</li></ul>	<b>CUPERTINO, CA</b>

## LEADERSHIP

2016 – Present	<b>MONTA VISTA HIGH SCHOOL ROBOTICS</b> <b>Director of Electrical Engineering/Driver</b> <ul style="list-style-type: none"><li>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.</li><li>Controlled robot under high amounts of stress at 3 competitions per year, making critical repairs to the robot in between matches.</li></ul>	<b>CUPERTINO, CA</b>
2015 – Present	<b>MATHANDCODING</b> <b>Co-Director of Robotics</b> <ul style="list-style-type: none"><li>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.</li></ul>	<b>CUPERTINO, CA</b>

## HONORS & AWARDS

2016	<b>PRESIDENT'S VOLUNTEER SERVICE BRONZE AWARD</b> This award is given to any individual who accumulates 100+ volunteer hours in a year.
2015	<b>MVHS ROBOTICS: ELECTRICAL ROOKIE OF THE YEAR AWARD</b> The purpose of this award is to recognize the contributions a new member has made to the electrical division.
2013	<b>FLL PENINSULA CHAMPIONSHIP: SECOND PLACE CHAMPION'S AWARD</b> 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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