

Sidharth Rao

Rising Junior at Choate Rosemary Hall (3.92 GPA, 4.25 Weighted)

[LinkedIn](#)

<https://github.com/sidharthmrao>

Sidharth Rao is a Dean's List student at Choate, a leading college preparatory private high school. He is primarily interested in the field of computer science, robotics, and engineering, and aims to work in the field of AI in the future. Sidharth is part of the Choate FIRST Robotics Team and the Advanced Robotics Concentration special program (one of only 4 Sophomores in his entire school who qualified). Sidharth has also obtained certifications in Machine Learning from UT Dallas, and the AI Scholars program at Stanford University.

Interests

Cybersecurity, Robotics, Artificial Intelligence, Web Development, CAD, Cello, and learning languages (Currently learning Mandarin)

Skills

Experienced in multiple programming languages, including:

- Python (Advanced)
 - Machine Learning
 - Data Science and Manipulation
 - Automation
- Java (Basic)
 - Java Plugins for Minecraft
- HTML, CSS, and JS
- Onshape CAD
- Projects: <https://github.com/sidharthmrao>

Strong in STEM

- Completed Honors Calculus BC, Honors Robotics Design and Fabrication, Honors Competition Robotics, and Honors Chemistry

Languages

- English (Fluent)
- Mandarin Chinese (2 years)
- Hindi (Speaking)

Education

Choate Rosemary Hall, Wallingford, Connecticut - *High School*

September 2019 - Current

Sidharth is a Sophomore at Choate Rosemary Hall, a prestigious private school which is part of the *Ten Schools Admission Organization*. During Sidharth's time at Choate so far, he has achieved a place on the Dean's List for academic excellence in all terms, and is part of Choate's Advanced Robotics Concentration Program (ARC) and Choate's FIRST Robotics Team.

Pearson Middle School, Frisco, Texas - *Middle School*

August 2016 - May 2019

Sidharth was in Pearson Middle School from grades 6 to 8.

Academic and Personal Achievements

- Currently teaching Python and designing an AI course for the non-profit company Robotics and Beyond, an educational organization focused on STEM.
- Top 100 Nationally in Carnegie Mellon University's 2021 PicoCTF Cybersecurity Competition (91st)
- Accepted into Choate Rosemary Hall's Advanced Robotics Concentration Program (ARC) and part of Choate's FRC Team (Team 7407, The Wired Boars)
- Won 1st place in the Frisco Economic Council Business Competition and presented his award-winning business idea to the Frisco Economic Council.
- 35 out of 36 on the Official ACT
- Completed a Month-long Mandarin Credit Camp at Concordia Language Villages
- Completed courses at the UT Dallas Department of Computer Science for Machine Learning, JavaScript, Java, Advanced Python, Alice, Robotics, and Scratch.
- Received certification from the AI Scholars program at the University of Stanford
- Placed 4th in the International Lingbowl Linguistics Competition
- Member of the National Junior Honor Society, a nationwide organization at schools in which prestigious students help their community, from grades 6 to 8.
- Part of the Pearson Middle School Robotics Competing Team, Leading the Design team, Build team, and Programming team.
- Received 12 medals and 2 trophies in Texas Math and Science Team competitions (TMSCA), a competition that tests students on their Math, Science, Number Sense (Mental Math), and Calculator skills
- Received a Silver medal in the Texas State Piano competition, where students are tested on their piano skills and knowledge of piano theory.
- Received an award from the Frisco Honor Choir for outstanding musical achievement.
- Received the highest achievement, Superior +, at the PMTA Fall Festival for the performance of piano song Chivalry and at the PMTA Sonatina Festival for the Sonatina in G. OP36 No 2.