

## Saujas Kant

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### Academics:

Junior, Avon High School, Avon, CT

- Weighted GPA: 4.1
- Honor roll – All 8 quarters (Freshmen, Sophomore & Junior)
- Courses- AP CSA, AP Calculus BC, AP Physics 1&2, AP Environmental Science, AP Lang, APUSH, AP CSP, Engineering Drafting and Design(H), Engineering for Robotics (H)

**MakeitFixit Club** - Founder & Technical Director - Led the development of custom, 3D-printed mechanical solutions using CAD tool for school staff and clubs, managing the design-to-fabrication process.

### Robotics

- Vex V5 Robotics 2024 – Current (32610C AHS Falconbots)  
Leading Avon High School first-time entry for Vex V5 championship. Qualified for state championship held in Feb, 2025. Finished at position 22.
- Engineering for Robotics and Engineering Drafting and Design 2023-2024  
With Block coding I created Robots with Vex v5 parts including a 3D field objects for the Robo-battle competition. I worked on Inventor App to produce a working model of desk caddy and wire straightener
- Vex IQ Robotics 2022-2023  
Directed the design, fabrication, and competition strategy; **secured** 1st Place (Design) and 3rd Place (Teamwork) at States, leading to a World Championship berth. Recognized by Superintendent, of the Avon Board of Education (for character and resilience)

**Science Club** - Astronomy and Dynamic planets (2024 - current)

**Math Club** (2024 – current)

- AHS Math Team - 2023 – till date
- Selected for Math Counts regional competition (2023)
- Math – Top 5% in American Mathematics Competition - 8 (2023)

**Principal's Advisory Council** (2022-23) Represented student's voice and worked collaboratively with School administrators

### Internships:

- **Teen Advisory Council** - Nov 2025 – Current – As a Treasurer, managing the groups funds and budgeting for youth led initiatives and science campaigns at CSC.  
2024 and 2025 - As an Executive Co-Chair - Connecticut Science Center (selected for both yearly sessions). Since Oct 2024 to May 2025 - Led the full council and planning committee, managing the strategic development and delivery of student-driven science exhibits and public engagement activities. Built a filtration model of water filter with soil and rocks for study and exhibition.

- **Internship at University of Connecticut (Summer 2025)**  
Worked on solving and presenting the Inverse Navier Stokes Equation with Physics -Informed Neural Network and Least squares method under the guidance of Dr Chang Liu, UCONN. This involved combination of Fluid dynamics, Calculus and Python programming.
- **INVESTIGATE program** - Connecticut Science Center –Nov 18th – Dec 16th 2023  
Participated in Architecture & Design workshops for food science, computer coding and sound engineering providing an opportunity to explore multiple combination of STEM areas.
- **INNOVATE program Teen Ambassador** – Connecticut Science Center (June to Aug 2024) (Paid Internship and 2 college credits from University of Colorado)  
This six-week program was through LIVEDX platform. As part of the project team, I developed a program to demonstrate Sound and Light illusion phenomenon to the CSC visitors in an inquisitive and engaging environment.

### **Volunteer Service:**

- Avon Public Library
- Book Buddies program-Helped Junior students with books
- Published articles in IMAGINE - A community publication
- Volunteer of Extended School Year in elementary school (Summer 2025)
- Tutoring Math and Hindi in the community (2023 to present)
- Youth volunteer for Hindi USA community organization (2024- present)
- Associated with Anurag Society for special needs (India) (2022- Present)
- Tutoring in the city program (2023 -2024)

**Athletics:** Cross-country (Marathon) Avon High School team (2023 -2024)

### **Summer Activities:**

- First Responder's Camp – Avon Police Dept (Summer 2023)
- Junior Ranger - National Park Service – (Grade 2 – till date)
- Explored National Park sites and earned 25 badges after completing a series of junior ranger activities, sharing responses, and pledging to “explore, learn, and protect” the National Park resources and history.

### **Proficiency in Hindi(native) Language:**

- Connecticut State Seal of Biliteracy – Attained Hindi Language Proficiency Seal (2025)
- COLTS award – Won Gold medal at the Connecticut Organization of Language Teachers) Hindi poetry contest (2025)
- Completed the Hindi language course in 6 years FastTrack 8-year regular course at Hindi USA (2018-24)

### **Additional Achievements:**

- Congressional App Challenge – Built a Skill Chain app (2025)
- Active Member of Model UN team (2025)
- Won the School level Nat-Geo Bee competition in 2020; Selected for State level qualifier
- Attained 1<sup>st</sup> degree Black-Belt in Karate (Mixed Martial Arts)
- President Award for outstanding academic excellence (2023)