

Samvit Agarwal

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Education

West Windsor-Plainsboro High School South

West Windsor, NJ

GPA: 4.77/5.00(Weighted), 4.00/4.00(Unweighted)

2017 - 2021

- ❖ **Activities and Societies:** Model United Nations(Secretariat), Computer Science Club(Co-founder), Tech Desk(Vice President), Debate Club(Organizer)
- ❖ **Courses:** AP Calculus BC, Advanced Topics in Physics Honors, AP Language & Composition, Advanced Topics in Computer Science Honors, AP Computer Science Principles
- ❖ **Test Scores:** SAT: 1550/1600, AP Macroeconomics: 5, AP Computer Science A: 5

Work Experience

Code Ninjas

Princeton, NJ

Code Sensei

2019

- ❖ **Role:** Help students transition into computer science by working with them to build games using languages such as Scratch, JavaScript, and C#.

Central Jersey Student Innovators Association (www.cjsia.com)

Princeton, NJ

Director of Technology

2019 - Present

- ❖ **Role:** Help students hone their skills in innovation and entrepreneurship by conducting and organizing seminars relating to topics such as STEM, business, and leadership. Additionally, lead the technology department, and work with guest speakers and local entrepreneurs to help students leverage technology in their projects.

University of Pennsylvania

Philadelphia, PA

Summer Research Intern

2019

- ❖ **Role:** Worked under a UPENN professor to conduct research regarding cybersecurity and key-exchange protocols. Also worked on developing a fully anonymous messaging service that prevents issues such as traffic analysis and packet sniffing, thus providing even greater security than modern messaging platforms.

Volunteering

CS Remastered (www.csremastered.org)

West Windsor, NJ

President & Founder

2018 - Present

- ❖ **Impact:** Founded a 501(c)(3) nonprofit organization aimed at teaching students one-on-one computer science for free. Focused on teaching them the fundamentals of computer science in a variety of different languages, while gradually shifting towards real-world development and incorporating computer science in other subjects and fields. Recruited more than 50 volunteers and over 100 students, and solicited partnerships from various other organizations and companies.

A2Z Mentoring (<http://a2zmentoring.org>)

East Windsor, NJ

Organizer & Volunteer

2017 - 2019

- ❖ **Impact:** Worked with underprivileged kids to help them develop their math and reading skills. Also volunteered at various marathons and food drives.

HSS Tech Desk

West Windsor, NJ

Vice President

2017 - Present

- ❖ **Impact:** Helped students throughout my school with technology-related issues. Organized collaborative events with other clubs.

Extracurricular Activities

Model United Nations

2017 - Present

Secretariat & Head Chair

- ❖ **Role:** Regularly compete in several national and regional level conferences, speak on various global issues, and come up with real-time solutions. Helped organize my high school's own annual conference by fundraising, advertising, and managing several logistical issues. Also got experience chairing and running a committee.

Computer Science Club

2017 - Present

Co-founder

- ❖ **Role:** Co-founded a club to get more students engaged in computer science throughout our school. Regularly hold sessions where we teach computer science related concepts and help students with their personal projects. Also compete in various algorithmic and software-development related competitions.

Hackathons (<https://devpost.com/Samvit123>)

2018 - Present

- ❖ **Impact:** Competed at several college and high-school level hackathons and consistently awarded in the top 5 or higher. Worked with a suite of different technologies and frameworks to develop real-world applications and projects to solve core issues or needs. Led teams of 4 or 5 people to program, debug and polish applications within 24 or 48-hour deadlines.

USA Computing Olympiad

2018 - Present

Gold Division

- ❖ **Role:** Regularly compete in this national-level computer science competition. Routinely solve algorithmic and theoretical problems, and have learned and implemented various algorithms and data structures in the process.

YouTube

2015 - Present

Video Creator

- ❖ **Impact:** Create videos related to technology-related topics and how-to guides. Have generated more than 4 million views and over 10,000 subscribers.

Debate Club

2017 - Present

Organizer

- ❖ **Role:** Prepare contentions and rebuttals on modern-day domestic and global policies: (Cyber Warfare, Saudi Arms Deals, AUMF, etc). Also helped organize our school's own annual competition.

Honors & Awards

Model United Nations: Outstanding Delegate - Rutgers University Model United Nations 2018; Outstanding Delegate - North American Invitational Model United Nations 2019; Verbal commendation - North American Invitational Model United Nations 2020.

Debate Club: 2nd Place - Lawrenceville Invitational 2018; Octafinalist - Pennsbury Invitational 2019.

Hackathons: 1st Place - MakeSPP 2018(75+ competitors); Top 5 - HackPHS 2018(100+ competitors); Best High School Hack - HackTCNJ 2019(80+ competitors); Top 5 - ProfHacks 2019(100+ competitors); Top 30 - PennAPPS 2019(800+ competitors).

USACO Gold Division: Placed in the second-highest tier of the national high school level computer science Olympiad(Top 15% of all competitors).

Gold Presidential Volunteer Service Award: Contributed significantly to multiple nonprofit organizations.

Skills

Python, Java, Machine Learning, HTML/CSS, Algorithms, Public Speaking, Leadership, Video Creation