# Aaryan Singh

aaryansingh4699@gmail.com                                        224-375-5013
Vernon Hills, Illinois                                                       LinkedIn, Website

I am a motivated student with a proven track record of academic excellence, leadership capabilities, and community involvement. Demonstrated ability to balance rigorous coursework with extracurricular commitments, showcasing a strong work ethic and dedication to personal growth. Eager to leverage my skills and experiences to contribute to new opportunities and challenges. I am seeking to apply my computer science skills as a college student.

## Education

**Vernon Hills High School, Vernon Hills, IL**
Senior
- **GPA:** 4.388/4 (Weighted) 3.9/4 (Unweighted)
- **Clubs:** Computer Science Club, Robotics Club, National Honor Society, AI Committee, Tennis Team

## Major Achievements

**Code Ninjas**
Sensei
2021-Present
- Taught game creation to children, emphasizing creativity and problem-solving.
- Managed daily coaching, ensuring individualized attention for students.
- Enhanced student participation in a dynamic learning environment.
- Contributed to building the next generation of coders.
- Collaborated with fellow Senseis to refine teaching methods.
- Stayed updated with the latest curriculum to ensure relevant and effective instruction.

**Tachyon Dynamics**
Intern
7/1-8/10, 2023
- Developed a testing framework using "scapy" to ensure accurate IPv6 connectivity.
- Validated the IPv6 implementation across various devices.
- Gained proficiency in using "scapy" for network traffic monitoring.
- Mastered the use of Wireshark for in-depth traffic analysis.

**XPerience Coding**
Member of the Board of Directors
2023-Present

- Spearheaded the initiative to create coding camps for community children.
- Elevated the project's status to a nationally recognized non-profit organization.
- Successfully raised funds to procure essential supplies for the coding camps.
- Refined and expanded my business acumen through hands-on management and decision-making.

**MirCore Computational Biology and BioTechnology Research**
Research Camp
July 12- 23, 2023

- Engaged in hands-on learning of cutting-edge biotechnology sequencing techniques, enhancing knowledge in computational biology.
- Analyzed complex datasets using computational tools, honing skills in data interpretation and critical thinking.
- Participated in interactive sessions, workshops, and presentations that deepened comprehension of current advancements in biotechnology.
- Developed a capstone project focused on researching gene mutations linked to coronary artery disease, providing valuable insights into potential genetic risk factors and treatment pathways

**Orion School, India**
Teaching Volunteer
7/7-7/25, 2022

- Imparted English education to middle school students, enhancing their linguistic skills.
- Established computer labs, formulating a comprehensive curriculum tailored to students' needs.
- Championed fundraising efforts, securing funds for playground equipment to promote holistic development.
- Played a pivotal role in integrating technology with education, benefiting the student community.

# Additional Skills

- Proficient in Python, Java, HTML, CSS, and JavaScript
- Basic knowledge of C#
- Datacamp and Coursera courses for Machine Learning, Artificial Intelligence
- Fluent in Hindi, Learning Spanish

## Honors and Awards

- AP Scholar with Distinction
- 2023 ST3AM Showcase Winner
- Chicago Metro History Day Regional Qualifier
- Vernon Hills High School Athletic Award
- Illinois State Music Teachers Association Achievement in Music Level 12
- National Merit Commended Student