

# Aaryan Singh

Motivated student with a proven track record of academic excellence, leadership capabilities, and community involvement.

**LinkedIn:** <https://linkedin.com/in/aaryans4699>

**Website:** <https://aaryan2k.github.io/>

## EXPERIENCE

### XPerience Coding, Vernon Hills — *Board of Directors*

Aug 2023 - Present

- Led coding camps for children, transforming them into a nationally recognized non-profit.
- Secured funding and gained business management experience through project leadership.

### Code Ninjas, Libertyville — *Code Sensei*

Nov 2021 - Aug 2024

- Collaborated with fellow instructors to refine teaching methods.
- Taught game creation to children, emphasizing creativity and problem-solving.

### Tachyon Dynamics, Vernon Hills — *Intern*

July 2023 - Aug 2023

- Developed a testing framework using Scapy and Wireshark to validate IPv6 connectivity and monitor network traffic

## EDUCATION

### University of Illinois, Urbana-Champaign

Pursuing a Computer Science Major and Statistics Minor.

**GPA:** 3.7/4.00

**Clubs:** Illini Electric Motorsports (IEM), Project: Code, Sports Analytics Society

### Vernon Hills High School, High School

July 2020 - May 2024

**GPA:** 4.388/4 (Weighted) 3.9/4 (Unweighted)

**Clubs:** Computer Science Club, Robotics Club, National Honor Society, AI Committee, Tennis Team

## PROJECTS

### MirCore Computational Biology Research Camp

Completed a capstone project on gene mutations linked to coronary artery disease, which enhanced my computational biology skills.

### IEM Battery Management System Viewer

Designed a PyQt and PyCAN-based GUI for the race car's battery management viewer, enabling real-time status display and improving monitoring and analysis efficiency.

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## SKILLS

Communication.

Leadership.

Problem Solving.

Teamwork.

## PROGRAMMING LANGUAGES

Java, Python, HTML, CSS,  
JavaScript, React (Proficient)

SQL, C++ (Intermediate)

C#, PyQt5, Python-CAN (Novice)

## 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

## LANGUAGES

English, Hindi, Spanish