



# Arnav Gupta

SOFTWARE DEVELOPER INTERN

## Profile

Hello, I'm a high school junior student interested in pursuing Computer Science as a future field of study. I have always been interested in technology and programming, and I have taken several computer science courses in high school. I am proficient in programming languages such as Java and C++ and have experience with web development using HTML, CSS, and JavaScript. In addition, I have knowledge of the database side by utilizing MySQL and SQL Server.

## Education

### Hunterdon Central Regional High School, Flemington, New Jersey

SEPTEMBER 2021 – PRESENT

Unweighted GPA: 3.9813. Weighted GPA: 4.3875

## Extra-curricular activities

### Founder and President, Developer Code Club

OCTOBER 2022 – PRESENT

I am the founder and president of the Developer Code Club. This is a Computer Science club for dedicated participants. The primary purpose of the club is to build a community of developers who are serious about pursuing a career in the world of Computer Science and willing to learn/develop solutions for the school, other clubs, and businesses. This club will allow the participants to participate in internship programs and learn new technologies, develop software solutions, get involved in team mentorship/collaboration/leadership development, hackathon participation, etc.

### Vice President, Investment Club

OCTOBER 2022 – PRESENT

I am the Vice President of the Investment Club. The Investment Club is an after-school club whose primary purpose is to teach young investors with revolutionary technologies on top-of-the-line simulations of the current market. This year, we took member to Wall Street to educate them on many things such as the stock market. I have primarily taken initiatives in planning this trip by designing fundraiser programs at restaurants, such as Buffalo Wild Wings and Chipotle, to generate money for this trip. We are also playing a Stock Market simulation Game which will allow real-world simulation trades.

### Recording Secretary, National Speech & Debate Association

SEPTEMBER 2021 – PRESENT

I am an active member of Speech and Debate and have participated in many events; In the state competition, I placed 5th. I have also mentored many students by teaching techniques for a successful debate.

### Programming Captain, Robotics Club Team 3637

SEPTEMBER 2021 – PRESENT

As a freshman last year, I learned all the technologies and software used to build the robot. This has enhanced my knowledge of how the robot works. I started the year with the programming sub-team and learned about the Robotics WPI API's. During my first year, I started coding the drive base and understanding how motors interact with the programs. Later on, I was also getting involved in the mechanical and electrical side of the robot. This enabled me to holistically understand how the robot works, end to end and allowed me to be involved in mentoring other folks who wanted to learn more about robotics. Throughout all the competitions last year, I

## Details

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DATE OF BIRTH

January 2007

## Links

[Linkedin](#)

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## Skills

Communication

Leadership

jQuery

CSS

HTML

MySQL

Node.js

Docker

SQL

Git

JavaScript

C++

Java

Express.js

Embedded JavaScript (EJS)

Azure

Google API

Object-Oriented Programming

Data Analysis

Google Sheets

Visual Studio Code

was a key driver for our robot and I was helping the team find any issues with the robot.

Last year, I was also awarded the Freshmen of the Year.

This year, I continued to be involved in the learning and development of our new robot and at the same time mentoring freshmen and team members in all fields. I'm primarily involved in the development of PID loops for our drive base and designing the prototype of our new robot. Additionally, I am implementing vision technology to make the robot autonomous. Lastly, I have taken initiative in a Swerve Drive System.

## Internships

### Software Developer, HS Wrestling Team

APRIL 2022 – OCTOBER 2022

Over the summer, I did an internship with my CS Teacher in the school on a wrestling analytics engine project that utilizes the Java Programming Language and Google APIs. I have developed the algorithm which will output the solution into a new Google Spreadsheet. I gained real-life software development experience as well as learned new technologies throughout the project.

## Volunteering

### Volunteer and Mentor, ENGIN

MAY 2020 – AUGUST 2022

Tutored English to several Ukrainian students one-on-one remotely. Prepared student-centered session materials, assisted with homework, and participated in conversation practice. Served as a mentor for new volunteers and helped them get familiar with the program, answered any of their questions, and guided them in the right direction. By teaching these students, I have gained the knowledge and experience of teaching other students.

### Academic Tutor, Hunterdon Central High School

SEPTEMBER 2023 – PRESENT

Tutored many students in Algebra, Geometry, Pre-Calculus, and Computer Science on a weekly basis. Prepared student-centered materials, assisted with homework, and monitored individual student progress.

I'm also a member of the Math Honors Society at our school responsible for teaching other students and competing in math competitions.

### Mentor, Connect Club

SEPTEMBER 2022 – PRESENT

I'm involved in Connect Club, which is a club dedicated to special needs kids. We meet weekly during lunchtime and spend time doing fun activities together. During the holiday time, we spent time building a gingerbread house while watching a movie. This is something I love to do as a part of my community service.

### Web Developer, FIRST Robotics

MAY 2022 – SEPTEMBER 2023

I designed and developed an FRC Off-Season Website from scratch; I got inputs/content from various mentors for the website. I was involved throughout my summer in building this website as well as participated in team meetings/discussions on how to make the overall event experience better.

### Mentor, FIRST LEGO League

SEPTEMBER 2022 – DECEMBER 2022

Involved in mentoring First Lego League Jr throughout the season. It was a great experience working with little kids and seeing how enthusiastic they are about learning stem-related activities.

## Languages

Spanish

Hindi

English