

# Arnav Gupta

Flemington, NJ | +1 (908) 801-0387 | [arnavkgu@gmail.com](mailto:arnavkgu@gmail.com) | [LinkedIn/arnavkgu](https://www.linkedin.com/in/arnavkgu) | [GitHub/ArnavGupta23](https://github.com/ArnavGupta23) | [arnavgupta.info](mailto:arnavgupta.info)

## EDUCATION

Hunterdon Central Regional High School - Hunterdon, NJ

Sep 2021—June 2025

UGPA: 3.98 & WGPA: 4.39

**Relevant Coursework:** AP Computer Science Principles, AP Computer Science A, Internet Of Things, Cybersecurity 1, Cybersecurity 2

## SKILLS AND INTERESTS

**Tech/Programming:** ReactJS, Angular, Java, C/C++, HTML/CSS, Bootstrap, JavaScript, Python, TypeScript, SQL, MySQL, Node.JS, Express.JS

**Tools:** Visual Studios Code, Eclipse, GitHub, Postman, Azure Data Studio, DBever, Docker

**Interests:** Basketball, Golf, Skateboarding, Technology, Saxophone, Weightlifting, Cars, Music, Traveling, Video Games

## EXPERIENCE

**Computer Science Teacher Intern (AiGoLearning)**

Jun 2023—Aug 2023

- Served as a Computer Science Instructor to foster a deep understanding of programming concepts among 30+ students.
- Instructed students in various subjects—such as Web Design/HTML/JavaScript, Java, C++, Data Structures/Algorithms.

**Head Web Developer (FIRST Robotics Offseason Event) | Rvsts.org**

May 2022—Oct 2023

- Built a website from scratch to provide guests information about a Robotics event (registration, logistics, sponsors) with over 6.75K views.
- Collaborated with a diverse group of mentors to curate inputs and content.

**Software Developer Intern (Hunterdon Central High School, NJ)**

Apr 2022—Oct 2022

- Developed a wrestling game analytics engine using **Google API's** to extract and store data from Google Sheets as wrestler profiles.
- Designed & coded **Java** algorithms to build a detailed breakdown of optimal wrestling matchups, updating a new spreadsheet in real-time.
- Streamlined report generation by automating the process, resulting in a 40% reduction in manual data input.

**Volunteer and Mentor (ENGin)**

May 2020—Aug 2022

- Tutored English to several Ukrainian students one-on-one remotely and prepared student-centered session materials.
- Assisted with homework and participated in conversation practice to develop students' English skills
- Served as a mentor for new volunteers and helped them get familiar with the program

## LEADERSHIP

**Founder and President | Developer Code Club**

Oct 2022—Present

- Founded a selective Computer Science Club for dedicated participants to learn new technologies and engage in internship programs.

**Project #1: Automated Mail Pass System**

- Innovated physical school passes by automating pass systems through email, resulting in a 60% reduction in manual labor.
- Designed and developed the back end using **Node.js**, and used **HTML** and **EJS** for front end.

**Project #2: Bathroom Management System**

- Designed/developed revolutionary bathroom system which organized presentable data and reinforced bathroom policies.
- Utilized technologies such as Node.js, HTML, **Bootstrap**, **EJS**, **MySQL**, | Integrated **Websockets**.

**Programming Captain | Robotics Team 3637**

Sep 2021—Present

- Lead the team in software solutions by demonstrating **vision processing** during autonomous commands, enabling **PID** correction for motor controllers, and integrating a swerve drive system for enhanced mobility.
- Provide mentorship to peers by teaching new technologies and ensuring they understand fundamental concepts.
- Develop holistic ideas for the robot by contributing Mechanical, Electrical, and Programming perspectives.

**Vice President | Investment Club**

Sep 2022—Present

- Initiated the planning and execution of a highly successful educational trip to Wall Street with over 60+ members.
- Designed and implemented effective fundraiser programs at Buffalo Wild Wings & Chipotle, raising around \$1,000 for club activities.
- Educate members using top-of-the-line market simulations, ensuring they gain key decision-making skills.

**Recording Secretary | Speech & Debate Club**

Sep 2021—Present

- Maintained records and reached out to members regarding necessary information.
- Take responsibility for writing a newsletter (description of the upcoming activities), placements in tournaments, and new resolutions.
- Placed 5th in state debate competition and 4th in regional event.
- Planning to create a website for the club.

## OTHER ACTIVITIES

**Hunterdon Outreach Program**

Apr 2023—Present

- Help the special needs community by participating in kickball, basketball, and golf opportunities 1-on-1.

**Academic Tutor**

Sep 2022—Present

- Tutor Algebra, Geometry, Pre-Calculus, and Computer Science on a weekly basis.

**Connect Club**

Oct 2022—Present

- Engage weekly during lunchtime to spend time doing fun activities with the special needs community.

**First Lego League Mentor**

Oct 2022—Nov 2023

- Served as a guru to little kids enthusiastic about the field of STEM.