

# ARVIND SHYAM

Valhalla, NY | P: 914-86-1376 | a.shyam.2313@gmail.com

## EDUCATION

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### VALHALLA HIGH SCHOOL

Valhalla, NY

Cumulative GPA: 99.71/100; High Honor Roll 4x

Member of the National Honors Society

Relevant Coursework: AP Computer Science A (5/5), AP Calculus AB (5/5), AP Physics 1 (5/5), AP United States History (5/5), AP English Language (5/5), AP Chemistry (4/5)

## ACTIVITIES

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### AI RESEARCHER

Valhalla, NY

Independent

September 2022 – Present

- Aimed to utilize novel Artificial Intelligence (AI) architectures in order to generate multi-instrumental pop music
- Worked directly with professor Richard Fox from Northern Kentucky University (NKU) remotely
- Presented research to various county & nationally-known science-fair competitions

### VHS TECH CREW

Valhalla, NY

Soundboard Lead

March 2023 - Present

- Led soundboard operations and microphone handling for both middle- and high- school dramas and concerts
- Helped prepare and disassemble technical equipment before and after productions, respectively
- Communicated directly with drama departments during all rehearsals and performances

### RELIGIOUS CAMP COUNSELOR

Rush, NY

Counselor in Training (CIT)

July 2024

- Assisted campers in need throughout the day & directed end-of-day sports activities
- Provided temple with maintenance and facilities help
- Set up necessary equipment for the camper chariot festival at the end of the camp

### PASSION PROJECTS

Valhalla, NY

Independent

September 2021 - Present

- Developed & improved Python clone of arcade games Pong and Frogger
- Trained machine learning model which helps predict college happiness scores, as part of the National High School Data Science Competition
- Currently developing portfolio website using HTML, CSS, and JS

## AWARDS

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### SOMERS SCIENCE FAIR

June 2023

- 2nd place in Computer Science category for research project

### NYSSMA (NYS SCHOOL OF MUSIC ASSOCIATION) OUTSTANDING RATING

April 2024

- Level IV Viola Solo; 26/28 score

### HARVARD BOOK AWARD

May 2024

- “[Given] to an outstanding member of the next-to-graduating class who displays excellence in scholarship and high character...”

### AP SCHOLAR WITH DISTINCTION

July 2024

- Given to students who have a score of 3 on at least five AP exams, with an average score of 3.5 across all AP exams

## SKILLS

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**Languages:** Python, Java, C++, HTML, CSS

**Libraries & Frameworks:** BeautifulSoup, Selenium, Pandas, NumPy, PyTorch, Matplotlib