

# Vishnu Sharma

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## **Honors & Awards:**

US Congressional App Challenge Winner November 2022

- Won the Congressional App Challenge with the submission of WildBlue, an environmentally-focused app

Kite Hacks Hackathon Winner June 2024

- Created SafeSpace, a custom AI model which detects bullying in public forums

Selected for the Conference on National Affairs 2024

- Presented my tax reform proposal as part of a group of 20 selected from 500 NJ conference participants

Somerset Academic League Winner and Quiz Bowl National Qualifier 2024

Tests of Engineering, Aptitude, Math, and Science National Qualifier, 2nd in NJ 2024

## **Job Experience:**

Baim Institute for Clinical Research - Research Assistant June 2024 - September 2024

- Worked with Doctor Korjian to perform data preparation, validation, and analysis of an EECF dataset

Ziplyne - Software Development Intern February 2024 - August 2024

- Reviewed company onboarding and testing the application in diverse scenarios

SeekerPitch - Software Development Intern December 2020 - December 2021

- Programmed REST API endpoints, PostgreSQL trigger functions, and ReactJS web pages
- Connected the SeekerPitch API to AWS, Elastic Beanstalk, and Firebase
- Spearheaded integration with Google Cloud, Twilio, and Stripe

Code Ninjas - Coding Instructor May 2022 - March 2024

- Taught kids how to code in Scratch and Javascript

## **Education:**

Montgomery High School, Class of 2025 September 2021 - June 2025

- 1600 SAT, 1520 PSAT, top ten percent with a GPA of 98.39 with 5s in AP Calculus AB & BC, Physics C, Chemistry, Literature, US History, Language, Biology and Computer Science A and a 4 in AP Spanish
- Clubs: Secretary of Aerospace Club, Rocketry Captain, Academic League Board Member, YAG Cabinet

Columbia Science Honors Program 2023-2024

- *Astronomy and Astrophysics, Relativity and Quantum Theory, and The Physics of Fusion Energy*

Coursera - "Learn to Program" in Python, Machine Learning, Intro to Java 2020, 2022

## **Volunteering:**

Montgomery Hindi School - Teaching Assistant September 2021 - Present

Neuracode - Director of Machine Learning June - November 2022

- Managed the machine learning curriculum & ideated with other directors as the machine learning director

## **Skills:**

- NodeJS, ReactJS, HTML/CSS/JS, Java, Python
- API Development, Software Integration (Google Cloud, Twilio, Firebase, Stripe)
- Full Stack Development, Machine Learning/AI

## **Projects:**

Code to Comments December 2021 - January 2022

- Designed and published a Visual Studio Code extension with more than 800 downloads
- Used the davinci-codex model of OpenAI to generate appropriate comments

SafeSpace June 2024

- Worked on a discord bot offering automated moderator tools such as warnings against bullying
- Designed an artificial intelligence model using SciKit and Python on an online bullying dataset