

VIBHUV SHARMA

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EDUCATION:

Montgomery High School

SEPTEMBER 2022 - PRESENT

- Honor Roll Student
- Activities: Science Olympiad (captain), Aerospace Club, Rocketry Club (TARC), Mock Trial (Understudy), Youth and Government, Math League, Techsters Technology Club (Board Member), Concert Orchestra, Tenor-Bass Ensemble

COURSES:

AP Government And Politics, US – *Northwestern University CTD*

JANUARY 2022 - APRIL 2022

- Covered elements of government and change in government over time, as well as political dynamics from the past, in the present, and going forward.

Machine Learning – *Stanford University*

JANUARY 2022 - APRIL 2022

- Introduction to machine learning (regression, neural networks, k-means, etc.) in Octave

Honors Chemistry – *Johns Hopkins Center for Talented Youth*

JUNE 2021 - NOVEMBER 2021

- Learned about stoichiometry, quantum numbers, waves, hydrocarbons, acids/bases, redox reactions, and other subjects

Python – *University of Toronto*

JUNE 2021 - NOVEMBER 2021

- Fundamentals of and intermediate computer science concepts explored in python

EXPERIENCE:

Intern – *Code Ninjas*

JUNE 2022 - PRESENT

- Instructed students in variety of programming languages

Software Developer Volunteer - ReactJS – *MPA*

SEPTEMBER 2021 - DECEMBER 2021

- Implemented UI designs with ReactJs and NextJs
- Blockchain experience using solidity and Moralis and integrating in React

Full Stack Developer Intern – *SeekerPitch*

DECEMBER 2020 - APRIL 2021

- Built backend API for website using Javascript, SailsJS, and PostgreSQL, frontend via React
- Implemented OpenTok video conferencing, SendGrid emails

SKILLS:

Programming languages: Python, JavaScript/Node.js, Octave, HTML/CSS

Other skills: React.js, REST APIs, Full Stack Development, Supervised Learning, Algebra/Geometry

AWARDS:

First Place - Congressional App Challenge, NJ-07

FEBRUARY 2023

Awarded first place in district for app to track environmental impact, invited to house of code April 2023.

First Place - Replit Alexa Skill Hackathon

SEPTEMBER 2021

Awarded first place in Alexa Skill hackathon hosted by Replit with InterviewGenie.

Variety of Prizes - *Science Olympiad*

APRIL 2022, JANUARY 2023

Awarded 3rd in states, 3rd in regionals, 1st in Dynamic Planet, 2nd in Solar System, and 4th in Fast Facts.

Winner - *Replit Diwali Jam*

NOVEMBER 2022

Winner of top five diwali diyas created using code. Used javascript to make an animated diya.

Second Prize - *Science Expo*

APRIL 2021

Submitted prototype for project which generated electricity via one's exercise on an elliptical machine.

VOLUNTEER EXPERIENCE:

Volunteer - *Neuracode*

MAY 2022 - AUGUST 2022

- Created and taught curriculum of intro to python and intro to machine learning
- Developed website, designed and managed social media

Teaching Assistant - *Montgomery Hindi School*

SEPTEMBER 2021 - PRESENT

- Help teach, grade, manage class, and prepare slideshows and games

Teen Volunteer - *Somerset County Library System NJ*

JUNE 2020 - MAY 2022

- Took part in projects to advance important causes, including clothing donations, citizen science, creative works for soldiers, public education, etc.
- Created book reviews and magazine pieces

PROJECTS:

Wild Blue - App and Website

NOVEMBER 2022

Wild Blue is a website and app that allows people to track their impact on the environment by completing challenges. As users complete challenges, they can see the impact that they have made over time.

The Pyada Protocol

APRIL 2022

Created a pawn shop for NTFs that takes an NFT as collateral for a loan on the Polygon blockchain.

InterviewGenie

AUGUST 2021 - DECEMBER 2021

InterviewGenie is an Alexa skill powered by GPT-3 which generates unique, occupation-specific interview questions. It can also provide sample answers and feedback based on one's answer.