

Vibhuv Sharma

(908) 361-1500 | vibhuvnarayan.sharma@gmail.com | [linkedin.com/in/vibhuvsharma](https://www.linkedin.com/in/vibhuvsharma) | <https://vibhuvsharma.com>

EDUCATION

Montgomery High School <i>GPA 95, SAT 1560, PSAT 1520</i> <ul style="list-style-type: none">Aerospace Club (Technical Lead), Mock Trial (Captain), NJ Youth and Government (Officer), Science Olympiad	Sept. 2022 – Jun 2026 <i>Skillman, NJ</i>
Columbia Science Honors Program <i>Selected through admissions test as a freshman</i> <ul style="list-style-type: none">Took "Astronomy and Astrophysics", "Classical and Quantum Computing", "The Physics of Fusion Energy"	Sept. 2023 – June 2026 <i>New York City, NY</i>

EXPERIENCE

BAIM Institute <i>Research Assistant</i> <ul style="list-style-type: none">Dealt with data in a research environment to investigate the effects and benefits of EECF therapyUsed STATA and Excel to clean, reformat, and analyze data to determine trends in patient demographics and results	May 2024 – Present <i>Online/Boston, MA</i>
Ziplyne <i>Software Engineering Intern</i> <ul style="list-style-type: none">Developed demo environments for Ziplyne's onboarding platform.Completed product that is being rolled out for clients, winning the best project award.	Feb. 2024 – Aug. 2024 <i>Hillsborough, NJ</i>
Minority Programmers Association <i>Software Developer Volunteer</i> <ul style="list-style-type: none">Collaborated with UX/UI designers and programmers to develop mentorship pages for the MPA website.Worked with Moralis and Blockchain technologies to build projects on the Polygon and Ethereum networks.	Sep. 2021 – Dec. 2021 <i>Online</i>
SeekerPitch <i>Software Engineering Intern</i> <ul style="list-style-type: none">Part of a team of a founding team of four developer, building the backend API for website using JavaScript, SailsJS, and PostgreSQL.Implemented OpenTok video conferencing and SendGrid automated emailing, while integrating the back-end API with the React-based front-end.	Dec. 2020 – Apr. 2021 <i>Montgomery, NJ</i>

PROJECTS

Avionics and Rocketry Worked in small teams to develop systems to automatically deploy recovery material for multiple rockets as a part of The American Rocketry Competition; CADed custom rocketry components, designed PCBs, and wrote software for recovery mechanisms.	Sep. 2023 - Present
Hackathon Projects/Software Won 4 hackathons using various projects; Wrote machine learning algorithms for natural language processing applications in social media from scratch (Safe Space), created an app for collaborative environmental impact tracking (Wild Blue), and worked with AI solutions for applications such as mental health care and interviews (Interview Genie).	

AWARDS

Science Olympiad Awards <ul style="list-style-type: none">Awarded 3rd place in states: 1st in Dynamic Planet, 2nd in Solar System, 4th in Fast Facts, 3rd in Regionals.	Apr. 2022 – November 2024
Congressional App Challenge Winner <ul style="list-style-type: none">Won the Congressional App Challenge with an app that tracks environmental impact; Invited to House of Code.	Feb. 2023
Replit/Alexa Hackathon Winner <ul style="list-style-type: none">Awarded first place in Replit and Amazon's Alexa skill hackathon with an AI Interview practice application.	Sep. 2021
KiteHacks Winner <ul style="list-style-type: none">Joint winner of KiteHacks with Safe Space, a bot which detects bullying and provides mental health support.	May 2024
Replit Diwali Hackathon Winner	Nov. 2022

CLASSES

Courses: AP Calculus C, AP Physics C (Mech, E&M), AP Literature, AP Calculus AB (5), AP Chemistry (5)
Other Advanced Courses: Machine Learning (*Stanford University*), Introduction to Python (*University of Toronto*)

SKILLS & INTERESTS

Skills: Data Analysis, Machine Learning, Mathematical Modeling, Software programming, CAD, PCB Design
Technologies: STATA, PyTorch, Various Programming Languages, Fusion360, EasyEDA, Arduino