Riya Vazirani Laheja

Basking Ridge, NJ

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EDUCATION

Expected Graduation June 2028	**RIDGE HIGH SCHOOL** **All honors classes; Honors**: Principal's Honor Roll	Basking Ridge, NJ

OBJECTIVE

Aspiring to contribute to impactful projects through the usage of computer engineering, software development, and innovation. I bring a strong background in coding in a variety of languages, algorithmic and analytical thinking, and building many complex projects and algorithms.

HONORS/AWARDS

2024-Present **HACKATHONS** Bridgewater, NJ
- 1st place award in BRHS Hacks - $100 prize: Won by programming two games - used python libraries

2025-Present **BIOLEAGUE** Basking Ridge, NJ
- Participating in science league competitions against other high schools
- Second place in first competition; first place in second competition

ACTIVITIES

2024-Present **THE START SMALL PROJECT** Basking Ridge, NJ
Co Founder of Startup
- Helping small businesses overcome being overpowered by larger corporations
- Provide free social media support as well as budgeting and financial advice

2015-Present **TAE KWON DO (FIRST DEGREE BLACK-BELT)** Basking Ridge, NJ
- Learning discipline, focus, self-defense, and cooperation with peers
- Physical exercise such as breaking boards, running, and stretches

2023-Present **STORMING ROBOTS** Branchburg, NJ
- Learning algorithms in C/C++; algorithmic and analytical thinking
- Programmed many difficult and high level projects throughout the course of the class

2022-Present **SOCCER** Basking Ridge, NJ
- Girls soccer team for 2 years in William Annin Middle School
- Junior Varsity team at Ridge High School for 1 year
- Won girls state championships x 2 (7th/8th grade)
- Undefeated in freshman year season

2018-Present **VIOLIN** Basking Ridge, NJ
- School orchestra for 7 years (elementary, middle, and high school)
- Weekly private lessons starting in 8th grade
- Selective Philharmonic Orchestra - 8th grade
- Recommended for regional orchestra auditions by Ridge orchestra teacher
- Pit Orchestra for Cinderella - Freshman Year

2022-2024 **INSPIRIT AI**
RUN BY *MIT AND STANFORD ALUMNI*
- 2022 - Selected for Inspirit AI's Scholars program to train AI models - Utilized Google Colab Python Notebooks
- 2024 - Selected for Ambassadors Program: outreaching for Inspirit AI

2025-Present	**BSWI MIT S**PRING **P**ROGRAM	
	● Selected for Many Interesting Things for Aspiring Engineers Program	
	● Learned about GitHub, Deep Note, applications of engineering, internet, complexities of AI, and website hosting	

2025-Present	**G**IRLS **W**HO **C**ODE	Basking Ridge, NJ
	● **Secretary Officer**; helping to run the club meetings and organize	
	● Taught and led classes teaching middle/elementary school aged kids the basics of Python	

2025-Present	**STEM**XX	Basking Ridge, NJ
	● **Social Media Officer;** helping to run the meetings and manage the club's social media	
	● Frequently organizing labs and putting together informational slideshows for the club	

SERVICE EXPERIENCE

2024-Present	**T**UTORING	Basking Ridge, NJ
	● Tutoring three children in weekly math classes: working with fractions and multiplication	
	● Tutored two child in weekly private violin lessons: school + additional difficult pieces	

2024-Present	**VSY (V**EDIC **S**AMAJ **Y**OUTH**)**	Basking Ridge, NJ
	● **Web Developer Officer:** Maintaining, developing, and keeping the website up-to-date	
	● Taught and led coding camp for elementary and middle school children to learn Python	

2024-Present	**Bernards Township L**IBRARY	Basking Ridge, NJ
	● Volunteer services with Tech Teens: Helping seniors with their tech troubles	

2024-Present	**B**IG **S**IBLING	Basking Ridge, NJ
	● Mentoring a "Little" and guiding her through challenges of life	

2024-Present	**WHEELS (**NON-PROFIT**)**	
	● Summer intern at WHEELS Global Foundation	
	● Published 3 blogs about different types of health awareness globally	

PROJECTS

- Creating repositories on GitHub
- Extensive projects with Storming Robots
- Arduino manipulation and creating projects online with these microcontrollers and chips

SKILLS/HOBBIES

- AI/Machine Learning, proficient in languages Python, C/C++, HTML, Javascript, CSS
- BPA (Business Professionals of America) stock investing competition
- Proficient usage of GitHub and Deep Note
- Basic Computer Architecture, Networking and Cyber Security