

Shreya Sharma

Researcher and **programmer** interested in data science and applied mathematics.

J.R. Tucker High School | Email: hcps-sharmas6@henricostudents.org | [Website](#) | LinkedIn

Education

George H. Moody Middle School (2021-2024)

- Graduated under the International Baccalaureate Middle Years' Program (IBMYP).

John Randolph Tucker High School (2024-2028)

- Projected to receive an IB diploma through the IBDP and an Advanced Studies Diploma from HCPS.

Longwood University (Summer 2025)

- Completed the FINA150 (Personal Finance & Economics) DE course.

Reynolds Community College (2025-2026)

- Projected to complete DE.

Henrico CTE & ACE (2025)

- Received a Henrico Career Technology Education (CTE) Certification in Cybersecurity.
- Completed the Henrico Advanced Career Education (ACE) Data Science course.

Experience

Founder & President, Statistics Club (2025 - Present)

- Established and lead the school's first statistics-focused academic club as President, growing membership to 30+ students
- Design and teach curriculum covering probability theory, regression modeling, and statistical inference.
- Mentor peers in preparing for state-level competitions and developing original data science projects.
- Lead workshops on R and Python for statistical computing and data visualization.

Cubes in Space Program (2025 - Present)

- Participating in a NASA-affiliated program focused on space-bound scientific experimentation.
- Researching dual-layer radiation sensor technology for high-altitude environments.
- Led thermochromatic data analysis and designed an original thermochromatic patch invention.
- In the process of registering it with the USPO.

Spanalytics Intern (2025 - Present)

- Interning at a cybersecurity and wireless technology firm specializing in PAN (Personal Area Network) analysis.
- Programmed in Python and C++ to analyze PANalyzer technology and conduct penetration testing.
- Applied data science techniques to evaluate signal vulnerabilities and network behavior.
- Delivered technical presentations to engineering teams on research outcomes and recommendations.
- [Website Link.](#)

Magisterial District Student Representative (2024 - Present)

- Appointed to Henrico County Public Schools Advisory Board representing the Three Chopt District, selected out of 100+ applicants.
- Analyzed community survey data and stakeholder feedback to inform district-wide policy decisions.
- Played a key role in drafting the 2025-2030 Strategic Plan for 400,000+ residents.
- Led quantitative insights and data modeling to support long-term educational planning.
- [Strategic Plan Link.](#)

Finance Lead, Youth Climate Action Team Inc. (2024 - Present)

- Lead the Fundraising Youth Initiative (FYI) Fellowship within the Finance Branch of an international youth-led climate advocacy nonprofit.
- Taught 100+ students about climate data interpretation, fundraising analytics, and outreach strategy.
- Won the 2024 International Grant Impact Award.
- Accumulated 250+ hours of community service through climate education and advocacy.
- [Website Link.](#)

Director of External Communications, TUCMUN (2024 - Present)

- Co-founded and served on the Secretariat of TUCMUN, J.R. Tucker's first Model UN conference.
- Developed and executed outreach strategy, increasing delegate participation to 200+ annually.
- Managed external communications, partnerships, and promotional campaigns, including developing the Delegate Handbook and Sponsorship Handbook.
- Facilitated committee logistics and delegate engagement across multiple schools.

Co-Founder & Treasurer, James River Academy of Diplomacy 2024 - 2025

- Co-founded a 501(c)(3) nonprofit focused on diplomacy and global affairs education for underserved youth.
- Managed a \$10,000+ operating budget and secured \$500 in grants for program expansion; served one standard term as Treasurer.
- Organized and hosted two summer camps serving 50+ elementary and middle school students in the Richmond area.
- [Website Link.](#)

Clarinetist (2024 - Present)

- Selected for All-County and All-District Honor Bands based on competitive auditions.
- Member of VCU Health's Wind Ensemble, performing in community and university concerts.
- [Website Link.](#)

HCPL VolunTEEN Member (June 2024 - August 2024)

- Volunteered at the Twin Hickory Library within its summer VolunTEEN program, categorizing library materials through the Dewey Decimal system and engaging with patrons.
- Earned 55+ service hours.

Publications

- **STEAM News:** "Apple or Android: Why We Choose What We Choose"
[Read Article.](#)
- **IJFMR Journal (July - August Volume submission):** IB Personal Project on "How National AI Policy Affects Foreign Direct Investment"
- **NCTE Journal (2026 Volume):** Co-authored "Understanding and Leveraging Digital Practices for Multimodal Literary Education"