

RADHA VINAYAK

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School: Thomas Jefferson School of Science and Technology (12th Grade) |

Age: 17 |

US Citizen

EDUCATION

Coursework: AP Calculus BC, AP US History, Physics Honors, Bio-Nano technology, Neurobiology, DNA Sciences, Astronomy, AP English Literature, AP Psychology, AP Economics, AP Research Statistics, AP Government, Computer Science with Java, AP Biology, Pre-Calculus, Chemistry Honors, Genetics, Genealogy and Spanish 3.

SKILLS

- Research and Analysis
- Programming language: Python
- Teaching, Training and Webinars
- MS Office Word, Excel, PowerPoint
- Leadership and Teamwork
- STEM focus and Analytical Thinking
- Fundraising and Bookkeeping
- Blogger, Digital Media, Photoshop
- Organization and Planning
- Languages - Spanish, Hindi
- Written and Oral Communication
- Event Management & Public Speaking

EXPERIENCE

Smithsonian National Air & Space Museum – Explainers Program

Nov 2021 – Present

- Perform interactive demonstrations at the Museum's galleries and present science programs to visitors
- Help visitors understand the Museum's artifacts and STEM concepts through hands-on activities
- Lead Diversity, Equity and Inclusion training delivery to new hires

Centerville Volunteer Fire Department – Junior Operational Member and Emergency Medical Technician (EMT)

July 2021 – Present

- Operational Member supporting emergency units responding to emergencies in the community trained in CPR, Incident Command System, communications and fire alarms, fire extinguishers and chemical spill cleanups
- Support fundraising through BINGO nights, Community Fairs, donation drives and other community events

National Alliance on Mental Illness (NAMI) – Youth Leadership Council Member

July 2021 – Present

- Conduct webinars & youth fests for raising awareness in youth on mental health
- Organize support groups and fundraising; creating wellness packages

The Invest Her Initiative – Founder

June 2020 – Present

The Invest Her Initiative is a non-profit organization, with a mission to promote entrepreneurship in young girls.

- Organize workshops and guest panels conducted by local business leaders; Lead fundraising and social media strategies

Barnes & Noble – Bookseller

June 2021 – Oct 2021

- Managed and organized children & teen book sections; conducted Summer Reading Programs for K-8 school students
- Interacted with visitors; provided recommendations and assistance with book purchases

SheSoft - Director of Curriculum development

May 2020 – May 2022

SheSoft is non-profit organization (founded by TJHSST high school girls) with the mission of closing the gender gap in STEM through Innovation and Technology competitions for 5th to 8th grade girls.

- Established themes and topics for the SheSoft seminars; provided guidance to freshmen ambassadors and mentors; conducted information sessions in local elementary and middle schools; mentored participants in product enhancements and presentation
- Developed and managed Special Events that included annual award day and STEM competitions; developed fundraising strategies; prepared and delivered presentations to corporate donor prospects

LABWORK & CERTIFICATIONS

- **Emergency Medical Training** – Virginia EMT certification – 192 hours of instruction and hands-on practice for basic life-saving skills, Patient assessment and Trauma management, Airway management in infants, children and adults.
- **Biotechnology and Life Sciences Lab** – At TJHSST – Conducting research on “Effects of Natural Remedies on Breast Cancer cell growth”.
- **GW Biomedical Research Lab** – 60 hours – Participated in Disease case studies and analysis, Learnt diagnostic testing and molecular technologies, such as Nucleic Acid Extraction, Agarose gel electrophoresis, Polymerase chain reaction, etc.

ACTIVITIES & INTERESTS

- Varsity Lacrosse; TJHSST Neuroscience Society; National High School Ethics Bowl; Empower to Speak; TJHSST Youth Climate Action Team; UNICEF Community Outreach; TJHSST Give Mental Health Support; WISE Supporting women in STEM