

Sandhya Srinivasa

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Education

The Village High School

University of Texas at Austin – Biology BS Major

Honors

Full IB Diploma

Top 10% of graduating class

Women In Natural Sciences Program (WINS) – 2 years

University Honors (3 years)

Volunteering

Austin State Hospital (2 years)

People's Community Clinic (1 year)

Extracurricular Activities

Treasurer for S.M.I.L.E, Students Making Impact Through Love and Empathy (1 year)

Have also been a member for 3 years

Tech Ops for S.M.I.L.E (1 year)

Peer mentor for FRI Aptamer Stream (2 years)

Independent Researcher for Freshman Research Initiative (FRI) - (Aptamer Stream member) (3 years)

The goal in the Aptamer Stream is to find an aptamer, a specific oligonucleotide sequence that binds onto a target protein to inhibit or activate it. The specific target protein I am working with currently is glucose oxidase used for glucometers and the goal is to develop a more specific glucometer to help diagnose diabetes. I was also able to present at the Undergraduate Research Forum conducted at University of Texas at Austin.

Employment

Girlstart Program Teacher (1 semester)

Teaching STEM courses to motivate elementary school girls to pursue STEM careers

Teaching Assistant for Genetics (1 semester)