Sandhya Srinivasa

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Biographical Sketch:
Sandhya Srinivasa is an undergraduate student pursuing a degree in Biology B.S. at the University of Texas at Austin. She was born in India and arrived at the US when she was about a year old. Since then, she continued her education in Texas, where she developed interests in biology and medicine. Because of these interests, she hopes to pursue a career in the medical field.

Education
IB Diploma | May 2016 - Village High School
B.S. in Biology (Human Biology) | May 2020 - University of Texas at Austin

Interests
Drawing and painting
- particularly enjoy pencil sketching and black and white sketches

Virtual designing
- using Adobe Photoshop to virtually draw

Reading
- enjoy reading in general, however, enjoy specific genres such as scifi and murder mysteries (favorites include Agatha Christie)

Writing
- generally love to write poetry, short stories, as well as bullet journaling

Watching TV/movies
- particularly enjoy history docuseries (such as "The King" starring Timothee Chalamet) and baking/cooking shows (such as the Great British Bakeoff, Masterchef, and Hell's Kitchen)

Playing tennis, chess, ping pong, badminton, and volleyball

Work Experience
Girlstart Program Assistant (Aug – Dec 2018)
- teaching STEM courses to elementary school girls through weekly hands-on activities

Teaching Assistant (Genetics) at the University of Texas at Austin (Jan – May 2019)
- leading weekly Genetics discussions for sophomores, proctoring exams, and helping/guiding students during weekly office hours

Freshman Research Initiative peer mentor for Aptamer Stream (2017 – 2020)

o   motivating/guiding mentees in lab when they have any questions or concerns

Researcher for the Aptamer Stream (2017-2019)
o   main goal to find an aptamer (oligonucleotide that binds to a target protein) for glucose oxidase found on glucometer test strips to enhance the specificity of the glucometer to help diagnose diabetes

Volunteering at People's Community Clinic (2018-2019)

Treasurer for S.M.I.L.E. (Students Making Impact Through Love and Empathy) (2018-2019)

Tech Ops for S.M.I.L.E. (2019-2020)
o   design t-shirts, send out weekly newsletters to all members and officers, update website

Skills
Computer skills:
o   R (R studio), Python, Adobe Photoshop, Microsoft Word, Microsoft Excel, Microsoft Powerpoint

Research skills:
o   Troubleshooting, time management, PCR, gel electrophoresis, polyacrylamide gel electrophoresis (PAGE), nanodrop spectrophotometer, micropipette skills

Communication skills:
o   fluent in English and Tamil, intermediate French

Accomplishments
o   with the help of other officers in an organization called S.M.I.L.E., jointly raised approximately $50,000 from an annual event called Brave the Shave to donate towards pediatric cancer research
o   presented aptamer research at the University Research Forum twice at University of Texas at Austin
o   presented aptamer research at the Fall Undergraduate Research Symposium at University of Texas at Austin