



## Shiva-Vishnu Temple

Om Namah Shivaya Om Namō Narayanaya

## Hindu Community and Cultural Center

1232 Arrowhead Ave, Livermore, CA 94551

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# Human Services Presentation Alzheimer's' Research by Students

Please join and encourage youngsters

**When:** Saturday, March 7th, 2026

**Time:** 3.00 PM to 4:00 PM

**Venue:** On Zoom, Link below

<https://us02web.zoom.us/j/87434535294?pwd=nK1vRnFnEXcUU6898jSv3bkKTWP8po.1>

**Presenters:** Avni Sriram and Sahaana Vasudevan

**Avni Sriram** Avni Sriram is a High School Junior from Dublin, CA, with a deep interest in neuroscience research.

**Mentor:** Dr. Padmanabhan Seshaiyer, Mathematical Sciences Professor and Director at George Mason University

This presentation explains what Alzheimer's disease is, why its prevalence is increasing, and the important role microglia—immune cells in the brain—play in the disease. It also explores how Alzheimer's can affect women and men differently, and how everyday activities such as music can support brain health, reduce stress, and improve quality of life for aging individuals and their families.

**Sahaana Vasudevan** is a High School Junior from San Ramon, CA., with a strong interest in neuroscience and neurodegenerative diseases.

**Mentor:** Dr. Achint Kumar, Founder of Socratic Academy, PhD from Duke Univ.

This presentation takes you inside the brain to explore how Alzheimer's disease affects memory and thinking. The study investigates brain cell dysfunction by analyzing human brain wave patterns alongside cellular data. By examining how energy production in brain cells declines and how waste removal systems fail, the research demonstrates how these changes contribute to Alzheimer's symptoms.

The study also highlights differences in disease progression between men and women and examines the impact of aging on its development. Overall, this work provides valuable insights that may support earlier diagnosis and inform potential future treatments by deepening our understanding of the disease's underlying mechanisms.

For more information, please contact

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