

Aerospace engineering undergraduate pursuing a career in this field through internships and research opportunities. Experience/interest in aerospace structural engineering, fluid mechanics, computer science. Lots of leadership experience; personal dedication to efficiency, quality, and learning.

Education

San Diego State University – Class of 2027

2023 - Present

- Aerospace engineering major, computer science minor
- SDSU Merit Scholarship recipient
- Current university GPA 3.996

Scripps Ranch High School – Class of 2023

2019 - 2023

- High school 10-12 WGPA 4.76
 - Golden State Seal Merit
 - California Scholarship Federation Seal
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Research and Publications

SDSU Aerospace Composite Structures Lab – Professor Satchi Venkataraman

Feb. 2024 - Present

- Experimental study of subterranean ant nest structures and their potential biomimetic applications
- Additive manufacturing focus, investigating porosity at different scales

“Comparison of Collapse Behavior of Ant Nest Derived Porous Geometries in Geological and Engineering Materials,” AIAA 2025-0197, January 2025

Work Experience

Cold Stone Creamery (Smita Parida Inc)

August 2, 2023 - February 18, 2024

- Food preparation, customer service, training new hires, janitorial work
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Skills

Structures Testing	Universal testing machines (Instron), digital image correlation (ARAMIS), finite element analysis (Femap, Abaqus), design of test fixtures (ASTM)
CAD and 3D modeling	Autodesk Inventor, Fusion 360, Blender
Manufacturing	Additive manufacturing, CNC toolpathing and operation
Programming/Scripting	Java, MATLAB, Python, HTML/CSS
Personal	Communication (written & verbal), self-teaching, robust work ethic

References available upon request.