

National Aeronautics and
Space Administration

John H. Glenn Research Center
Lewis Field
Cleveland, OH 44135-3191



July 31, 2026

Reply to Attn of: AEE

Dear Advaith Rajagopalan,

Please accept this letter as official confirmation of your successful completion of the 2026 NASA Glenn Research Center High School Engineering Institute. This highly selective and intensive program challenges students to address critical aerospace engineering problems through hands-on research and experimentation. Throughout our rigorous curriculum, you consistently demonstrated remarkable technical aptitude, creative problem-solving, and unwavering dedication.

During your time at the Institute, you successfully navigated three complex engineering design projects spanning acoustics, power management and distribution, and aerospace engineering. Your specific achievements included:

- Designing innovative acoustic liners to reduce jet engine noise pollution, utilizing additive manufacturing techniques to create and test optimized shapes for sound absorption and airflow in an acoustic impedance tube.
- Developing smart power systems for future space stations utilizing solar and battery power, which required programming microprocessor-controlled systems capable of automatic power re-routing and automated shutdown protocols during low-power scenarios.
- Engineering non-pneumatic wheels for lunar and Martian environments that met precise dimensional constraints and demonstrated ideal performance on a sandy incline while carrying weight through traction forces alone.

Throughout the program, you exhibited the following exemplary qualities:

- Exceptional problem-solving and critical thinking skills,
- Proficiency in applying advanced engineering principles to real-world challenges,
- Strong teamwork and communication abilities,
- Resourcefulness in addressing complex technical obstacles,
- Dedication to the iterative design process, and
- Meticulous attention to detail in testing and documentation.

Your successful completion of this demanding NASA program demonstrates a significant aptitude for engineering and represents an impressive achievement that shows your potential for future contributions to aerospace science and technology.

The skills and knowledge you have gained through this experience provide a strong foundation for continued success in your future STEM academic and career pursuits. We at the NASA Glenn Research Center are proud to have had you participate in our NASA Glenn High School Engineering Institute, and we congratulate you on this outstanding accomplishment.

Sincerely,

A handwritten signature in black ink, appearing to read "Catherine Graves".

Catherine Graves, Ph.D.
Chief, Office of STEM Engagement