

ISHANI PEDDI

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U.S. Citizen

EDUCATION

Georgia Institute of Technology

Doctor of Philosophy, International Affairs, Science, and Technology

Master of Science, International Affairs, Science, and Technology; Certificate, Global Development

- Graduate Teaching Assistant - American Government

- Global Development (Public Transportation) Capstone Study Abroad | Advisor: Dr. Alberto Fuentes

- Resilience Research Assistant - Transportation & Community Resilience | Advisor: Dr. Brian Woodall

Bachelor of Science, Economics; Minor, Aerospace Engineering

- Oxford Study Abroad Program (Oxford, England)

Atlanta, Georgia

May 2029 (Expected)

May 2026

January-May 2026

May-August 2025

May 2025

May-August 2022

RESEARCH EXPERIENCE

Space Policy Research Group | Georgia Institute of Technology

Undergraduate Research Assistant | Advisor: Dr. Mariel Borowitz and Dr. Lincoln Hines

- Conducted qualitative research on cislunar regime theory in relation to existing case studies and international dialogue.

- Researched active debris removal and space sustainability during Spring 2024.

- Coordinated with Georgia Tech Research Institute and Aerospace Systems Design Laboratory, to inform international best practices and technical development in adherence with global standards and norms.

Ben T. Zinn Combustion Laboratory | Georgia Institute of Technology

Undergraduate Research Assistant | Advisor: Dr. Tim Lieuwen

- Tasked with FAA project titled "Investigation of Turbine Inlet Temperature Profile in Realistic Liquid Combustor."

- Modeled combustor rig components on SOLIDWORKS and assisted on numerous tasks related to rig construction.

- Analyzed flame noise frequency/amplification acoustics via Fourier transform through MATLAB.

Atlanta, Georgia

January 2024 – May 2025

Atlanta, Georgia

August – December 2022

INTERSHIPS

Center for Strategic and International Studies (CSIS)

Aerospace Security Project Intern – [Matthew Isakowitz Scholar](#)

- Executed a long-term independent research paper focusing on the impacts of automotive manufacturing technologies in the autonomous and electric sectors on commercial satellite manufacturing, focusing on Chinese and American development.

- Supported a research report on developments in the Chinese commercial space sector through manufacturing and economic data verification, factory and investment mapping, expert outreach, and prose writing.

NOAA Office of Space Commerce

Summer Fellow/Intern – [Federal Jackets Fellow](#)

- Executed a long-term deliverable and presentation addressing international fora for space traffic coordination, consisting of an analysis of various international fora based on alignment with United States government priorities in this sector, for use in internal policy development.

- Completed preparatory documents for, attended, and summarized relevant engagements for the Deputy Secretary of Commerce, Director of the Office of Space Commerce, and other members of leadership, in order to convey department priorities to international partners, commercial industry leaders, and the American public.

Ball Aerospace

Strategic Operations Intern – [Brooke Owens Fellow](#)

- Executed a long-term deliverable and presentation addressing Ball's Wildfire Detection Capabilities, consisting of engagement strategy, technology overview, messaging strategy, and business strategy components, for use in internal project development.

- Completed preparatory documents for, attended, and summarized Congressional hearings and relevant engagements in order to comprehend stakeholder priorities in relation to Ball Aerospace.

Washington, D.C.

May – August 2025

Washington, D.C.

May – August 2024

Arlington, Virginia

June – August 2023

SKILLS & AFFILIATIONS

Computer Languages: SOLIDWORKS, MATLAB, Stata, R, AutoCAD, LabView, Microsoft Office Suite, Final Cut Pro

Spoken Languages: English (Native), Telugu (Fluent), French (Novice)

Communication: Sponsor Outreach, Fundraising/Donor Research, Automotive Business Presentation, Team Leadership, Public Speaking, Technical Writing, Website Design, Marketing Graphics

Professional Organizations: AIAA National Member

Non-Academic Writing: 13 Articles/Op-Eds (*American Kahani*), 1 Fiction Novella

Community Involvement: HyTech Racing Business Team (FSAE EV), WREK Radio, Trees Atlanta Volunteer, Mentor via Women of Astronautics and Aeronautics (GT WOAA), Georgia Tech Climbing Club, Georgia Tech Varsity Rowing Club, Georgia Tech Musician's Network, Startup Dummies