Ayush Jain

1st Year Student at the University of Florida

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EDUCATION

B.S. in Biochemistry; Minor in Statistics   08/2023 – 05/2027
University of Florida   Gainesville, FL
- Cumulative GPA: 4.00
- Honors Program and University Research Scholars Program Recipient
- Courses Taken & In Progress: General Chemistry 1 & 2, Genetics, Programming w/ Data, Statistical Modeling, AP Biology, AP Physics C: Mechanics, AP Physics C: E & M, AP Calculus BC

PROFESSIONAL EXPERIENCE

Undergraduate Researcher   12/2023 – 2024
University of Florida
- Will be working in a bioengineering wet lab on a project concerning pain detection and management under Dr. Allen

Research Intern   06/2023 – present
Florida Institute of Technology
- Conducting independent project titled "Using Finite Element Analysis and Experimental Investigation to Optimize a Novel Bioresorbable Metal-Polymer Composite Stent for Treatment of Coarctation of the Aorta in Children" under guidance of Dr. Dong
- Wrote literature review and proposal
- Using CAD software *Onshape* for stent design and *ANSYS* for FEA

ORGANIZATIONS

Dream Team Engineering   09/2023 – present
Cardiothoracic Research Team Member
- Drafted paper concerning patient education and outcomes following use of the Berlin Heart Model
- Present posters at UF Undergraduate Research Symposiums

Crafting Education   06/2021 – 08/2021
Head Volunteer
- Led and mentored a group of kids at a summer camp focusing on STEM activities.
- Designed and 3D-printed toys to be used in projects

LEADERSHIP

Lincoln Douglas Debate Team
Co-Captain
- Competed in multiple state-level NCFL tournaments
- Constructed cases for my team

Florida American Legion Boys State
Delegate
- One of 400 Florida boys selected after application and interview process
- Learning about Florida law and parliamentary procedure, I worked to have bills enacted in our own mock government

SKILLS

- R & RStudio (Proficient)