

EDUCATION	
Dec 2026	Hollins Institute of Technology, Ithaca, NY <i>M.Eng. in Mechanical Engineering (Robotics)</i> GPA: 3.92/4.00 Relevant Coursework: Robot Dynamics, Control Systems, Computer Vision, Mechatronics
May 2025	Northern Institute of Engineering & Technology, Chennai, India <i>B.Tech. in Mechanical Engineering</i> CGPA: 9.1/10 (GPA equivalent 3.9/4.0); Gold Medal, Department Rank 1

EXPERIENCE	
May 2026 – Aug 2026	Kestrel Robotics, Pittsburgh, PA <i>Robotics Engineering Intern</i> - Designed a compliant gripper for warehouse picking; raised grasp success from 82% to 95% on 300 SKUs. - Wrote ROS 2 nodes for force control and integrated them with the vision stack.
Jan 2026 – Present	Hollins Autonomous Systems Lab, Ithaca, NY <i>Graduate Research Assistant</i> Developing model-predictive control for a quadruped robot on uneven terrain.
May 2024 – Jul 2024	Kestrel Mobility, Hosur, India <i>Summer Trainee</i> Reduced cycle time on a welding line by 9% through fixture redesign.

LEADERSHIP & ACTIVITIES	
Aug 2022 – May 2025	Formula Student Team, Chennai, India <i>Chassis Lead</i> Led 14 students; team placed 3rd nationally among 80 entries.

SKILLS & INTERESTS	
Technical: SolidWorks, ANSYS, MATLAB/Simulink, ROS 2, Python, C++ Languages: English, Tamil (native), Hindi Interests: Carnatic violin, autonomous drone racing	