

Arjun Venkatesh

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EDUCATION

Hollins Institute of Technology

Ithaca, NY

M.Eng. in Mechanical Engineering (Robotics)

Dec 2026

GPA: 3.92/4.00

Relevant Coursework: Robot Dynamics, Control Systems, Computer Vision, Mechatronics

Northern Institute of Engineering & Technology

Chennai, India

B.Tech. in Mechanical Engineering

May 2025

CGPA: 9.1/10 (GPA equivalent 3.9/4.0); Gold Medal, Department Rank 1

EXPERIENCE

Kestrel Robotics

Pittsburgh, PA

Robotics Engineering Intern

May 2026 – Aug 2026

- 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.

Hollins Autonomous Systems Lab

Ithaca, NY

Graduate Research Assistant

Jan 2026 – Present

- Developing model-predictive control for a quadruped robot on uneven terrain.

Kestrel Mobility

Hosur, India

Summer Trainee

May 2024 – Jul 2024

- Reduced cycle time on a welding line by 9% through fixture redesign.

LEADERSHIP & ACTIVITIES

Formula Student Team

Chennai, India

Chassis Lead

Aug 2022 – May 2025

- 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