

# ARJUN VENKATESH

Ithaca, NY • (607) 555-0175 • arjun.venkatesh@college.edu • linkedin.com/in/arjunvenkatesh

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## EDUCATION

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### Hollins Institute of Technology

Dec 2026

*M.Eng. in Mechanical Engineering (Robotics), Ithaca, NY*

GPA: 3.92/4.00

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

### Northern Institute of Engineering & Technology

May 2025

*B.Tech. in Mechanical Engineering, Chennai, India*

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

## EXPERIENCE

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### Kestrel Robotics

May 2026 – Aug 2026

*Robotics Engineering Intern, Pittsburgh, PA*

- 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

Jan 2026 – Present

*Graduate Research Assistant, Ithaca, NY*

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

### Kestrel Mobility

May 2024 – Jul 2024

*Summer Trainee, Hosur, India*

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

## LEADERSHIP & ACTIVITIES

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### Formula Student Team

Aug 2022 – May 2025

*Chassis Lead, Chennai, India*

- Led 14 students; team placed 3rd nationally among 80 entries.

## SKILLS & INTERESTS

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**Technical:** SolidWorks, ANSYS, MATLAB/Simulink, ROS 2, Python, C++

**Languages:** English, Tamil (native), Hindi

**Interests:** Carnatic violin, autonomous drone racing