ADITYA BHARAMBE

EDUCATION

Carnegie Mellon University (CMU)

GPA:

- **Coursework:**

- **Course Assistant:**

Vishwakarma Institute of Technology (VIT)

GPA

- **Relevant Coursework:**
- **Leadership:**

SKILLS

Programming & Libraries:
Robotics & Simulation:
Software & Tools:
Hardware & Mechatronics:

EXPERIENCE

CMU Robotics Institute, Research Staff | Multi-agent coordination, Convoy Control, ROS2, Nav2, DDS

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Forbes Marshall Pvt. Ltd., Engineering Intern| Industrial Robotics, Process Analysis and Automation

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RESEARCH PROJECTS

Space University Research Initiative| Trajectory and Motion Planning, Soft AM, ROS

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Pneumatically Actuated Soft Antenna| Closed-Loop PID Control, SDR Integration

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COURSE PROJECTS

CBS-RRT* for Drone–Arm Planning in 3D | Multi-Robot Planning and Coordination, PyBullet, ROS
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Dynamic Obstacle Avoidance and Z-axis Planning for Quadrupeds | Path Planning and Motion Control, ROS
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Autonomous Adaptive Controller for Tesla Model 3 and Quadrotor | Control Theory, SLAM, Python
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