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SUMMARY

Expertise in **robotics, control, and autonomous systems**. Experienced in **R&D, project planning and leadership**. Skilled in **engineering, mathematics, machine learning, software, algorithms and system design**.

EDUCATION

Worcester Polytechnic Institute Worcester, MA
Ph.D. Candidate Robotics Engineering Expected 2025

Thesis: Vision-based Control of Soft Continuum Robots (Advisor: Dr. Berk Calli)

Worcester Polytechnic Institute Worcester, MA
M.S. Robotics Engineering 2020

Projects: Benchmarking in robot manipulation | Within-hand manipulation, planning, and control

SRM University India
B.Tech. Electronics and Communication Engineering 2018

SKILLS

Software: C++, Python, ROS, MATLAB, Linux, Git, Gazebo

Platforms: Tendon driven continuum manipulators, Yale OpenHand, Realsense, Franka, UR, Robotis, Dynamixel

Libraries: Eigen, OpenCV, PyTorch, SciPy, scikit-learn, PCL

EXPERIENCE

Worcester Polytechnic Institute Worcester, MA
Graduate Research Assistant January 2019 – Present

- Research in soft robotics, control, perception, manipulation, motion planning, and machine learning
- Led projects, mentored students, published articles, and collaborated in multidisciplinary teams
- For a full list of publications check [Google Scholar](#) or [LinkedIn](#)

Orangewood Labs Inc. India
R&D Robotics Software Engineer December 2017 – June 2018

- Developed workpiece detection & coverage planning system for robotic workpiece handling
- Designed teleoperation interface and controller for a proprietary robotic manipulator

Tata Consultancy Services India
Software Development Intern June 2017 – August 2017

- Developed an internal resource management API

SERVICE

Science Reviewer 2021 – Present
 Review research for journals (RA-L, T-RO) & conferences (ICRA, IROS) in robotics, AI, control, and manipulation

IEEE Robotics and Automation Society Chapter, WPI Worcester, MA
Founding member & Chair 2020 – 2023

Organized and led professional development events, wrote funding proposals, enabled community participation

AWARDS

Dr. Glenn Yee Travel Award, Robotics Engineering Department, WPI (\$800, \$750) August 2022, 2023

Dr. Glenn Yee Travel Award, Robotics Engineering Department, WPI (\$3400) August 2020