



## Ananth Rachakonda

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### Teaching

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- PS Optimization and Numerical Computation (WiSe 2024)
- PS Machine Learning (SoSe 2025)

### Education

- Since 2024. Ph.D. student, University of Innsbruck, Innsbruck, Austria.
- 2022-2024. MS by Research at Robotics Research Center, KCIS, IIT Hyderabad.
- 2015-2019. Bachelor of Technology in Electronics and Instrumentation Engineering, CVR College of Engineering, Jawaharlal Nehru Technological University Hyderabad.

### Research Interests

- Intuitive Physics for Robot Learning
- Safety and Resilience as Robot Behaviours

### Publications

- Adaptive Tracking and Anti-Swing Control of Quadrotors Carrying Suspended Payload Under State-Dependent Uncertainty S. Dantu, R. D. Yadav, A. Rachakonda, S. Roy, S. Baldi, 2024 IEEE/ASME Transactions on Mechatronics
- Adaptive Anti-swing Control for Clasp Operations in Quadrotors with Cable-suspended Payload S. Dantu, R. D. Yadav, A. Rachakonda, S. Roy, S. Baldi, 2023 IEEE 62nd Conference on Decision and Control (CDC)

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