



Raman Goyal
Research Scientist

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About me

I am currently working as an Advanced Computer Scientist at the renowned Palo Alto Research Center ([PARC](#)), part of [SRI International](#). At PARC-SRI, I am involved in several government and commercially funded interdisciplinary data science projects in the area of Reinforcement Learning, Machine Learning, Motion Planning, Controls & Optimization. I graduated with a Ph.D. from the Department of Aerospace Engineering at [Texas A&M University](#) in 2020 with a focus on optimal control of soft robotics using data-driven reinforcement learning approaches. I completed my Bachelor's in Mechanical Engineering from Indian Institute of Technology Roorkee ([IIT Roorkee](#)) in 2013.

Research Interest:

- Motion Planning and Feedback Control for Autonomous Systems
- Reinforcement Learning Algorithms for High-DOF Robotic Systems
- Optimal Sensing/Estimation and Uncertainty Quantification for Dynamical Systems
- Machine Learning-enhanced Digital Twin Models for Dynamical Systems
- AI-driven Digital Twin Infrastructure for System Health Diagnosis and Prognosis
- Enhancing Privacy and Security Against Adversarial Attacks in Autonomous Systems
- Machine Learning-assisted Innovation in Novel Sensor Systems
- System-level Design and Optimization of Autonomous Systems

Sitemap

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