

SHASHANK REDDY CHIRRA

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EDUCATION	University of Oxford <i>DPhil in Engineering Science</i> • Supervisor(s): Jakob Foerster, Shimon Whiteson United Kingdom 2025-Present
	International Institute of Information Technology, Bangalore <i>Integrated Masters (B.Tech + M.Tech) in Computer Science</i> • GPA: 3.65 / 4.00 (Dean's Merit List) India 2018-2023
	Delhi Public School Bangalore South <i>High School – CBSE (PCM, Computer Science)</i> • Percentage: 95% India 2018
EXPERIENCE	Research Engineer, Singapore Management University Singapore • Conducted research in Reinforcement Learning and AI for Science. 2023-2025
	Intern, MPI-CBG Dresden, Germany • Developed Hybrid Polynomial Surrogate models for approximating PDE solutions with shock discontinuities. Summer 2022
	Teaching Assitant, IIIT Bangalore India • Courses: Machine Learning, Math for ML (2x), Reinforcement Learning, Design & Analysis of Algorithms. 2020 - 2023
SELECTED PUBLICATIONS	<ol style="list-style-type: none">1. Chirra, S. R., Teoh, J., Paruchuri, P., & Varakantham, P. On Discovering Algorithms for Adversarial Imitation Learning. <i>The Fourteenth International Conference on Learning Representations (ICLR)</i>, 2026. [Poster]2. Chirra, S. R., Varakantham, P., & Paruchuri, P. Safety through Feedback in Constrained RL. <i>Proceedings of the 38th Annual Conference on Neural Information Processing Systems (NeurIPS)</i>, 2024. [Poster]3. Chirra, S. R., Varakantham, P., & Paruchuri, P. Preserving the Privacy of Reward Functions in MDPs through Deception. <i>Proceedings of the 27th European Conference on Artificial Intelligence (ECAI)</i>, 2024. [Poster]4. *Nadimpalli, K. V., *Chirra, S. R., Varakantham, P., & Bauer, S. Evolving RL: Discovering New Activation Functions using LLMs. <i>Towards Agentic AI for Science Workshop (ICLR)</i>, 2025. [Workshop]
ACADEMIC SERVICES	Reviewer: – Conferences – IJCAI 25, NeurIPS 25, AAAI 25, ICLR 26; – Journal – IEEE Transactions on Dependable and Secure Computing – Workshops – MALGAI (ICLR 26) Volunteer: ACM Web Conference '24
AWARDS AND HONORS	<ul style="list-style-type: none">• Cooperative AI Fellowship 2026-2029• Dean's Merit List, IIIT Bangalore 2021-2023• PG Scholarship (GATE) 2023• Rank 7, MSCI Developer Challenge India 2022• Top 0.1% Rank, National Eng. Entrance Exams (JEE Main/Adv, CET, ComedK) 2018