

EDUCATION	University of Oxford <i>DPhil in Engineering Science</i> <ul style="list-style-type: none">Supervisor: Jakob Foerster	United Kingdom 2025-Present
	International Institute of Information Technology, Bangalore <i>Integrated Masters (B.Tech + M.Tech) in Computer Science</i> <ul style="list-style-type: none">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> <ul style="list-style-type: none">Percentage: 95%	India 2018
EXPERIENCE	Research Engineer, Singapore Management University Singapore <ul style="list-style-type: none">Conducting research in Reinforcement Learning and AI for Science.	2023-2025
	Intern, MPI-CBG Dresden, Germany <ul style="list-style-type: none">Developed Hybrid Polynomial Surrogate models for approximating PDE solutions with shock discontinuities.	Summer 2022
	Teaching Assistant, IIT Bangalore India <ul style="list-style-type: none">Courses: Machine Learning, Math for ML (2x), Reinforcement Learning, Design & Analysis of Algorithms.	2020 - 2023
PUBLICATIONS	1. Chirra, S. R., Teoh, J., Paruchuri, P., & Varakantham, P. On Discovering Algorithms for Adversarial Imitation Learning. <i>arXiv preprint arXiv:2510.00922</i> , 2025.	
	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 (OpenReview)</i> , 2025. [ICLR '25 Workshop]	
	5. *Chen, C., *Chirra, S. R., *Ferreira, M. J., Gonzalez, C., Sinha, A., & Varakantham, P. Towards Neural Network-Based Cognitive Models of Dynamic Decision-Making by Humans. <i>arXiv preprint arXiv:2407.17622</i> , 2024. [AAAI '25 Workshop on Cog Sci]	
	6. Suarez Cardona, J. E., Chirra, S. R., & Hecht, M. Hybrid Surrogate Models: Circumventing Gibbs Phenomenon for Partial Differential Equations with Finite Shock-Type Discontinuities. <i>arXiv preprint arXiv:2408.02497</i> , 2024.	
ACADEMIC SERVICES	Reviewer: <ul style="list-style-type: none">Conferences – IJCAI 25, NeurIPS 25, AAAI 25, ICLR 25;Journal – IEEE Transactions on Dependable and Secure Computing	
	Volunteer: ACM Web Conference '24	

AWARDS	• Dean's Merit List , IIIT Bangalore	2021-2023
AND	• PG Scholarship (GATE)	2023
HONORS	• Rank 7 , MSCI Developer Challenge India	2022
	• Top 0.1% Rank , National Eng. Entrance Exams (JEE Main/Adv, CET, ComedK)	2018