

EDUCATION	<b>Georgia Institute of Technology</b> , Atlanta, GA	
	<i>Ph.D. in Computer Science</i>	Aug 2023 - Present (Expected May 2026)
	Advised by Dhruv Batra and Zolt Kira	
	<b>Georgia Institute of Technology</b> , Atlanta, GA	
	<i>M.S. in Computer Science</i>	Aug 2021 - May 2023
	Advised by Dhruv Batra and Abhishek Das	
	Thesis: "Robots that Navigate to Objects: Simulation, Data, and Models"	
	<b>Pune Institute of Computer Technology</b> , Pune, India	Aug 2015 - May 2018
	<i>Bachelor of Engineering in Information Technology</i>	
INTERNSHIPS	<b>Apple</b> , New York, NY	Jan 2025 - Aug 2025
	<i>Research Intern with Alex Toshev and Harsh Agrawal</i>	
	Built a scalable synthetic data generation pipeline to enable SFT and RL training using multi-modal LLM verifiers for computer use agents (mobile, desktop, and web).	
	<b>FAIR, Meta</b> , Seattle, WA	May 2024 - Aug 2024
	<i>Research Intern with Roozbeh Mottaghi</i>	
	Worked on training vision-language-action agents using reinforcement learning on synthetic rewards to collaborate and chat with humans to complete household tasks.	
	<b>Allen Institute of AI (AI2)</b> , Seattle, WA	May 2023 - Aug 2023
	<i>Research Intern with Luca Weihs, Kuo-Hao Zeng, and Aniruddha Kembhavi</i>	
	Built methods for tidying robots that can reason about object placement based on visual-context and common-sense reasoning in indoor environments.	
	<b>Mitsubishi Electric and Research Laboratories</b> , Boston, MA	May 2022 - Aug 2022
	<i>Research Intern with Anoop Cherian</i>	
	Worked on indoor semantic navigation using scene graph representations for end-to-end learning.	
	<b>Machine Learning and Perception Lab, GT</b> , Atlanta, GA	April 2020 - July 2021
	<i>Research Intern with Dhruv Batra, and Abhishek Das</i>	
	Built Habitat-Web, infrastructure to collect human demonstrations for embodied tasks at scale. Used it to scale training of indoor semantic navigation agents using IL and RL finetuning.	
AWARDS	<b>ICLR Notable Reviewer Award</b>	2025
	<b>Georgia Tech Rising Star Doctoral Student Research Award</b> (2 student from the College)	2023
	<b>Georgia Tech CoC Outstanding MS Researcher</b> (1 student from the College)	2022
	<b>Runner up at Habitat Navigation Challenge</b>	2021, 2022
PUBLICATIONS	[C13] <b>Grounding Multimodal LLMs to Embodied Agents that Ask for Help with Reinforcement Learning</b>	
	<b>R. Ramrakhya</b> , M. Chang, X. Puig, R. Desai, Z. Kira, R. Mottaghi	
	<i>Under Review</i>	
	[C12] <b>PARTNR: A Benchmark for Planning and Reasoning in Embodied Multi-agent Tasks</b>	
	M. Chang, G. Chhablani, A. Clegg, M. Cote, R. Desai, M. Hlavac, V. Karashchuk, J. Krantz	
	R. Mottaghi, P. Parashar, S. Patki, I. Prasad, X. Puig, A. Rai, R. Ramrakhya, D. Tran, <b>J. Truong</b> J. Turner, E. Undersander, T. Yang	

- [C11] **HM3D-OVON: A Dataset and Benchmark for Open-Vocabulary Object Goal Navigation**  
N. Yokoyama\*, **R. Ramrakhya\***, A. Das, D. Batra, S. Ha  
*IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), 2024*
- [C10] **ReLIC: A recipe for 64k steps In-Context Reinforcement Learning for Embodied AI**  
A. Elawady, G. Chhablani, **R. Ramrakhya**, K. Yadav, D. Batra, Z. Kira, A. Szot  
*Under Review*
- [C9] **Seeing the Unseen: Visual Common Sense for Semantic Placement**  
**R. Ramrakhya**, A. Kembhavi, D. Batra, Z. Kira, K. Zeng\*, L. Weihs\*  
*IEEE Computer Vision and Patter Recognition (CVPR), 2024*
- [C8] **GOAT-Bench: A Benchmark for Multi-Modal Lifelong Navigation**  
M. Khanna\*, **R. Ramrakhya\***, G. Chhablani, S. Yenamandra, T. Gervet, M. Chang, Z. Kira,  
D. Chaplot, D. Batra, R. Mottaghi  
*IEEE Computer Vision and Patter Recognition (CVPR), 2024*
- [C7] **PIRLNav: Pretraining with Imitation and RL Finetuning for ObjectNav**  
**R. Ramrakhya**, D. Batra, E. Wijmans, A. Das  
*IEEE Computer Vision and Patter Recognition (CVPR), 2023*
- [C6] **OVRL-v2: Semantic Navigation without Semantic Mapping or Detection**  
K. Yadav\*, A. Majumdar\*, **R. Ramrakhya**, A. Baevski, Z. Kira, O. Makysmets, D. Batra  
*arXiv preprint arXiv:2303.07798, 2023*
- [C5] **Curriculum Learning via Task Selection for Embodied Navigation**  
**R. Ramrakhya**, D. Batra, A. Kembhavi, L. Weihs  
*Embodied AI Workshop, CVPR 2023, 2023*
- [C4] **Offline Visual Representation Learning for Embodied Navigation**  
K. Yadav, **R. Ramrakhya**, A. Majumdar, V. Berges, S. Kuhar, D. Batra, A. Baevski, O. Makysmets  
*Reincarnating Reinforcement Learning Workshop, ICLR 2023*
- [C3] **Habitat-Matterport 3D Semantics Dataset**  
K. Yadav\*, **R. Ramrakhya\***, S. Ramakrishnan\*, T. Gervet, J. Turner, A. Gokaslan, N. Maestre,  
A. Chang, D. Batra, M. Savva, A. Clegg, D. Chaplot  
*IEEE Computer Vision and Patter Recognition (CVPR), 2023*
- [C2] **Habitat-Web: Learning Embodied Object-Search Strategies from Human Demonstrations at Scale**  
**R. Ramrakhya**, E. Undersander, D. Batra, A. Das  
*IEEE Computer Vision and Patter Recognition (CVPR), 2022*
- [C1] **Fabrik: An Online Collaborative Neural Network Editor**  
U. Garg, V. Prabhu, D. Yadav, **R. Ramrakhya**, H. Agarwal, D. Batra  
*Systems for ML Workshop 2019*

WORK	<b>Glance</b> , Bangalore, KA	Jun 2018 - Jul 2021
EXPERIENCE	<i>Software Development Engineer 2</i>	
	<ul style="list-style-type: none"> <li>Built a content creation platform from scratch, built content extraction from web using heuristic based crawlers, and used image captioning models to automated content filtering at scale. The tool helps streamline creation of <b>~10,000</b> glance stories and saves <b>~150</b> hours of manual effort by each content designer monthly.</li> <li>Worked on optimizing large-scale data pipelines and content serving infrastructure, that serves <b>150</b> million users and ingests 10TB data every day to save <b>~20k\$</b> in monthly infrastructure cost.</li> </ul>	
	<b>CloudCV</b> , Atlanta, GA	Jan 2021 - Jul 2022
	<i>Open Source Organization Lead</i>	
	<ul style="list-style-type: none"> <li>Led a team of <b>15+</b> collaborators to work on EvalAI, an open-source platform to create and participate in AI challenges. Collaborated closely with <b>30+</b> organizations including Meta, Google, Amazon, etc to host <b>200+</b> AI challenges for top tier AI conferences.</li> </ul>	
OPEN SOURCE	<b>Eval.AI</b> [ <a href="https://github.com/Cloud-CV/EvalAI">github.com/Cloud-CV/EvalAI</a> ]	2020-2022
PROJECTS	<ul style="list-style-type: none"> <li>Platform to create, collaborate and participate in the AI Challenges organized around the globe.</li> </ul>	
	<b>Fabrik</b> [ <a href="https://github.com/Cloud-CV/Fabrik">github.com/Cloud-CV/Fabrik</a> ]	2018-2020
	<ul style="list-style-type: none"> <li>Collaborative platform to build, visualize and train deep learning models via a simple drag-and-drop interface.</li> </ul>	
PROFESSIONAL	<b>Workshop Organization</b>	
	5 <sup>th</sup> EmbodiedAI Workshop at CVPR	2024
	Vision and Language Algorithmic Reasoning Workshop at ICCV	2023
	<b>Challenge Organization</b>	
	HomeRobot: Open Vocabulary Mobile Manipulation (OVMM) Challenge at NeurIPS	2023
	Habitat Navigation Challenge 2023 at Embodied AI Workshop, CVPR	2023
	Habitat Navigation Challenge 2023 at Embodied AI Workshop, CVPR	2022
	<b>Reviewing</b>	
	International Conference on Machine Learning (ICML)	2024
	International Conference on Learning Representations (ICLR)	2023, 2025
	Neural Information Processing Systems (NeurIPS)	2023, 2024
	IEEE Robotics and Automation Letters (RA-L)	2023
	<b>Advising</b>	
	Gunjan Chhablani (MS Georgia Tech → Waymo); Publication [C4]	2023
	Archana Kutumbaka (MS Georgia Tech → Adobe)	2023
	Google Summer of Code (7 mentors)	2021
	Google Summer of Code (9 undergraduate students)	2019-2021
	Google Code-In (15 high-school students)	2018-2019