Kumar Ashutosh

🗹 kumar.ashutosh@utexas.edu

https://ashutoshkr.me

Education

2021 – Present	The University of Texas at Austin Ph.D. in Computer Science	Austin, TX
	Advisor: Kristen Grauman Research area: Computer Vision, Machine Learning	
2016 – 2021	Indian Institute of Technology Bombay Master's degree in Electrical Engineering Thesis title: 3D Shape Reconstruction with View-Planning.	Mumbai, India
	Indian Institute of Technology Bombay	

Bachelor's degree in Electrical Engineering with a Minor in Computer Science

Work Experience

Present	UT Austin, Graduate Research Assistant	Austin, TX
Summer 2025	GenAI, Meta, Research Scientist Intern	New York, NY
2023-25	FAIR, Meta, Visiting Researcher	Austin, TX
Summer 2022	FAIR, Meta, Research Intern	New York, NY
Winter 2019	360World, AR/VR Developer Intern	Budapest, Hungary
Summer 2019	Sony Corporation , Research Engineer Intern	Kanagawa, Japan
Summer 2018	National University of Singapore , Research Intern	Singapore
	Google Summer of Code , Developer	Remote

Research Publications

Preprints

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- C. H. Wu*, **K. Ashutosh***, and K. Grauman, "Stitch-a-Recipe: Video Demonstration from Multistep Descriptions," 2025. arXiv: 2503.13821 [cs.CV].
- **K. Ashutosh**, R. Girdhar, L. Torresani, and K. Grauman, "What You Say Is What You Show: Visual Narration Detection in Instructional Videos," 2023. arXiv: 2301.02307 [cs.CV].

Conference Proceedings

- **K. Ashutosh**, Y. Gandelsman, X. Chen, I. Misra, and R. Girdhar, "LLMs can see and hear without any training," in *Proceedings of the International Conference on Machine Learning (ICML)*, 2025, *O*.
- M. Huh, Z. Xue, U. Das, **K. Ashutosh**, K. Grauman, and A. Pavel, "Vid2Coach: Transforming How-To Videos into Task Assistants," in *The ACM Symposium on User Interface Software and Technology (UIST)*, 2025, *§*.
- **K. Ashutosh**, T. Nagarajan, G. Pavlakos, K. Kitani, and K. Grauman, "ExpertAF: Expert Actionable Feedback from Video," in *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, Jun. 2025, *O*.
- **K. Ashutosh**, G. Pavlakos, and K. Grauman, "Flction: 4D Future Interaction Prediction from Video," in *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, Jun. 2025, **Highlight paper (Top 3%) 9**.



- The IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)
- The IEEE/CVF International Conference on Computer Vision (ICCV)
- 2022-24 European Conference on Computer Vision (ECCV)
 - 2025 International Journal of Computer Vision (IJCV)

2023-25

2023

2024 📕 Neural Information Processing Systems (NeurIPS)

Professional Service (continued)



2017 📕 Contributed 2k+ lines of code to scikit-learn, a popular ML package 🔗

Awards and Achievements

2025	Egocentric Vision (EgoVis) 2023/2024 Distinguished Paper Award for HierVL (CVPR 2023)
	Professional Development Award by UT Austin to attend CVPR 2025
2023	Professional Development Award by UT Austin to attend NeurIPS 2023
	Professional Development Award by UT Austin to attend CVPR 2023
2020	Department Color by IIT Bombay for valuable contribution to the mentorship program
2017	Invited to the Republic Day Parade as a guest of the Hon'ble Prime Minister of India
2016	Rashtrapati Puraskar (President's Award) by the Hon'ble President of India for Scouting
	99.97 (out of 1.2M) and 99.14 percentile (out of 0.15M) in JEE Mains and Advanced
2015	Qualified Indian National Mathematical Olympiad and attended selection camp for IMO
	Cleared NTSE and KVPY scholarship exams organized by the Govt. of India

Press Coverage

2025	Blogs and discussions of MILS (ICML 2025) by readers: 🌐 (Medium) 🌐 (YCombinator News)
2024	Ego-Exo4D's (CVPR 2024) media coverage: 🌒 🌐
2023	Meta AI's coverage of HierVL (CVPR 2023) paper ♂: ♥, 箇, 舒, ⊕

Talks

2025 📕 Oral	presentation of FIction (CVPR 20	25) at Egocentric Vision	ı (EgoVis) Workshop, C	VPR 2025
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Talks (continued)

	Invited talk to present our paper MILS (ICML 2025) at Cohere AI
2024	Invited talk to present our paper ExpertAF (CVPR 2025) at Ego4D winter symposium 2024
	Invited talk at IIT Delhi in Jan titled "Long-video understanding with text supervision"
2023	Highlight presentation of HierVL at CVPR 2023 🔗
	Invited talk at International Workshop on Large Scale Holistic Video Understanding, CVPR 2023
2021	Oral presentation of our work at AISTATS 2021 🔗
2020	Invited talk on Augmented Reality Applications at Electronics and Robotics Club, IIT Bombay

Technical Skills

Languages	Python, C++, C, HTML, CSS, $\[Mathbb{E}]$
ML Tools	Huggingface, Deepspeed, Fairseq, SLURM, PyTorch, Tensorflow, Git
Development	React, Jekyll, Android Studio, Xcode, Unity

Extracurricular Activities

Sports Football (Soccer), Squash, Cricket, Tennis, Badminton

Activities 📕 Hiking, Running

Music 📕 Guitar, Piano/Keyboard