

Agneet Chatterjee

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GitHub: github.com/agneet42

RESEARCH INTERESTS

- 3D aware generative vision for image and video models.
- Low-level vision tasks with language guidance.

EDUCATION

Arizona State University

Ph.D. in Computer Science

Advisors : Yezhou Yang, Chitta Baral

Tempe, AZ

Spring 2023–Current

Jadavpur University

Bachelor of Engineering (with Honors)

Computer Science and Engineering

Kolkata, India

2015–2019

SELECTED PUBLICATIONS

Please refer to my [Google Scholar](#) page for a full list of publications.

Conference Proceedings

1. **Agneet Chatterjee**, Gabriela Ben Melech Stan, Estelle Guez Aflalo, Sayak Paul, Dhruva Ghosh, Tejas Gokhale, Ludwig Schmidt, Hannaneh Hajishirzi, Vasudev Lal, Chitta Baral, Yezhou Yang. Getting it Right: Improving Spatial Consistency in Text-to-Image Models. *European Conference on Computer Vision (ECCV)*, 2024 [[paper](#)]
2. **Agneet Chatterjee**, Yiran Luo, Tejas Gokhale, Yezhou Yang, Chitta Baral. REVISION: Rendering Tools Enable Spatial Fidelity in Vision-Language Models. *European Conference on Computer Vision (ECCV)*, 2024 [[paper](#)]
3. **Agneet Chatterjee**, Tejas Gokhale, Chitta Baral, Yezhou Yang. On the Robustness of Language Guidance for Low-Level Vision Tasks: Findings from Depth Estimation. *IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, 2024 [[paper](#)]
4. Neeraj Varshney, **Agneet Chatterjee**, Mihir Parmar, Chitta Baral. Accelerating LLM Inference by Enabling Intermediate Layer Decoding. *Findings of the Association for Computational Linguistics: (NAACL) 2024* [[paper](#)]

Peer Reviewed Workshop Papers

1. Aayush Atul Verma, Amir Saeidi, Shamanthak Hegde, Ajay Theralal, Fenil Denish Bardoliya, Nagaraju Machavarapu, Shri Ajay Kumar Ravindhiran, Srija Malyala, **Agneet Chatterjee**, Yezhou Yang, Chitta Baral. Evaluating Multimodal Large Language Models Across Distribution Shifts and Augmentations. *IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) Workshops 2024* [[paper](#)]

Preprints

1. Neeraj Varshney, Satyam Raj, Venkatesh Mishra, **Agneet Chatterjee**, Ritika Sarkar, Amir Saeidi, Chitta Baral. Investigating and Addressing Hallucinations of LLMs in Tasks Involving Negation. [[paper](#)]

EXPERIENCE

Lawrence Livermore National Laboratory

Research Intern

Mentors : Bhavya Kailkhura, Brian Bartoldson

Livermore, CA

Summer 2024

Salesforce

Software Engineer 2

Hyderabad, India

2019–2022

Samsung R&D Institute

Research Intern

Bangalore, India

Summer 2018

SKILLS

- **Programming Languages:** Python, C/C++, JAVA, \LaTeX
- **Libraries & Tools:** PyTorch, OpenCV, Diffusers, Git, Linux

AWARDS

- SCAI Conference Award (ASU) 2024
- SCAI Doctoral Fellowship (ASU) 2024
- GPSA Travel Grant (ASU) 2024
- Engineering Graduate Fellowship (ASU) 2023

VOLUNTARY SERVICES

Reviewer for NeurIPS, ICLR, ACL, EMNLP, WACV.