

Agneet Chatterjee
Ph.D. Student (2nd Year)
Computer Science
Arizona State University

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EDUCATION

Arizona State University

Ph.D. in Computer Science

Tempe, AZ

Spring 2023 –

- **Advisors:** Chitta Baral, Yezhou Yang
- **CGPA:** 4.0
- **Awards:** [SCAI](#) Doctoral Fellowship, [SCAI](#) Conference Award (2x), [Engineering](#) Graduate Fellowship

Jadavpur University

B.E (Hons) Computer Science

Kolkata, India

2015-2019

RESEARCH INTERESTS

I work at the intersection of computer vision and natural language processing. My current research interests are :

- Developing 3D-aware foundational vision-language models.
- Solving low-level vision tasks with natural language guidance.

Publication Venues: CVPR ECCV NAACL

PUBLICATIONS

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

PEER-REVIEWED WORKSHOPS AND PREPRINTS

- 1. Evaluating Multimodal Large Language Models Across Distribution Shifts and Augmentations** [CVPR 2024 Workshop](#)
[Aayush Atul Verma*](#), [Amir Saeidi*](#), [Shamanthak Hegde*](#), [Ajay Theralala*](#), [Fenil Denish Bardoliya*](#), [Nagaraju Machavarapu*](#), [Shri Ajay Kumar Ravindhiran*](#), [Srija Malyala*](#), [Agneet Chatterjee*](#), [Yezhou Yang](#), [Chitta Baral](#)
- 2. Investigating and Addressing Hallucinations of LLMs in Tasks Involving Negation** [Preprint](#)
[Neeraj Varshney](#), [Satyam Raj](#), [Venkatesh Mishra](#), [Agneet Chatterjee](#), [Ritika Sarkar](#), [Amir Saeidi](#), [Chitta Baral](#)

EXPERIENCE

Lawrence Livermore National Laboratory

Research Intern

Mentors : Bhavya Kailkhura, Brian Bartoldson

Summer 2024

Salesforce

Software Engineer 2

June 2019 - July 2022

Samsung R&D Institute

Research Intern

Summer 2018

TECHNICAL SKILLS

- **Languages** : Python, C++, JAVA
- **Libraries & Tools** : PyTorch, OpenCV, NumPy, Diffusers, Git, Linux

SERVICE

- **Reviewing** : NeurIPS, ACL, EMNLP
- **Project Mentor**: CSE 576 - Topics in NLP