

Anisha Gunjal

<https://anisha2102.github.io/>

anishagunjal@utexas.edu

<https://www.linkedin.com/in/anisha-gunjal/>

EDUCATION

- **The University of Texas at Austin** Austin, TX
Master of Science in Computer Science; GPA: 4.0 Aug. 2022 – Present
- **Pune Institute of Compute Technology** Pune, India
Bachelor of Engineering in Computer Science; GPA: 3.86 July 2014 – July 2018

SKILLS

- **Languages:** Python, C, C++, MATLAB, Julia, Unix Shell, CUDA programming
- **Frameworks:** PyTorch, Tensorflow, Caffe, Keras, OpenCV, Flask, Scikit-Learn, Selenium, Cython
- **Tools:** AWS, Git, Tableau, GCP, Docker, Airflow, Kubernetes, KubeFlow, AWS Lambda, Boto3, Gitlab CI
- **Research Areas:** Natural Language Processing, Computer Vision, Reinforcement Learning, Machine Learning

WORK EXPERIENCE

- **Scale AI** San Francisco, CA
Machine Learning Research Engineer Intern - Foundational ML May. 2023 - Aug 2023
 - **Hallucination Prevention in Large Vision-Language Models:** Fine-grained multimodal hallucination detection using reward models to predict unfaithful vision-language model generations. Submitted to AAAI 2024.
- **TAUR Lab, The University of Texas at Austin** Austin, TX
Graduate Research Assistant; Supervisor: Prof. Greg Durrett Aug. 2022 - Present
 - **Natural Language Processing:** Abstract event extraction from large language models through probing mechanisms.
- **CLVR Lab, University of Southern California** Los Angeles, CA
Research Scholar; Supervisor: Prof. Joseph Lim Jun. 2021 - May 2022
 - **Task-Induced Representation Learning:** Evaluate the effectiveness of representation learning on complex robotics environments with substantial distractors. Work published in ICLR 2022.
 - **Language Skill Learning:** Leveraging natural language descriptions of tasks to enhance skill exploration and learning in robotic environments.
- **HyperVerge, Inc.** Bangalore, India
Senior Machine Learning Engineer - Documents AI Research Jun. 2018 - May 2021
 - **Document Information Extraction:** Building and maintaining state of the art OCR Systems using Computer Vision for identity documents of India, Vietnam, and Malaysia which served over 280 million people in 2019.
 - **Data-Efficient Key Entity Recognition:** Pre-training and finetuning Large Language Models in low-data regimes for unstructured documents.

PUBLICATIONS

- **Detecting and Preventing Hallucinations in Large Vision Language Models, Submitted to AAAI 2024:** A. Gunjal*, J. Yin*, E. Bas
- **Drafting Event Schemas using Language Models, Submitted to EMNLP 2023:** A. Gunjal, G. Durrett
- **Task-Induced Representation Learning, ICLR 2022:** J. Yamada, K. Pertsch, A. Gunjal, J. Lim
- **Diabetic Retinopathy Grading using Deep Siamese Network, ICML 2018 Workshop on Comp Biology:**

PROJECTS

- **Document Visual Question Answering Challenge, CVPR 2020:** Ranked 4th in this visual question answering challenges competing against top Document AI Labs. Approach published in a blogpost.

SOCIETIES AND INVOLVEMENTS

- **WiML Workshop, ICML 2021:** Volunteer
- **JupyterCon 2020:** Reviewer