

# ATREY DESAI

atreydesai.com

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Google Scholar

## EXPERIENCE

### Learn Prompting

Member of Technical Staff  
May 2025 - Now · San Francisco

Running Hackaprompt, the world's largest red-teaming hackathon. Finetuning harmful content detection systems for robust LLM safety.

### UMD CLIP Lab

Researcher  
May 2024 - Now · College Park

Evaluating **artifacts** in LLM-generated multiple-choice questions; separately, multimodal detection and **adversarial benchmarking** of out-of-context video misinformation.

### UTA ACL2 Lab

Visiting Researcher  
Feb 2024 - Now · Arlington

Created AniVoice-cat, a dataset of **26,000+** cat vocalizations (from 250+ hours of video), improving transcription accuracy to **96%** for human-animal **machine translation**.

### UMD FIRE Lab

Researcher  
Jan - Aug 2024 · College Park

Developed climate policy tools using **statistical modeling** and published an internal whitepaper on ESG commitment impacts.

### RL @ Brown

Researcher  
Dec 2020 - June 2023 · Brown

Created an end-user programming system enabling non-experts to solve tasks via **reinforcement learning** and reward functions. Presented at AAAI IMLW '22 and RLDM '22.

## EDUCATION

### University of Maryland,

#### College Park

B.S. Computer Science,  
B.A. Linguistics,  
Minor in Korean Studies  
2023 - 2027

### Relevant Coursework

Natural Language Processing (Grad), Commonsense Reasoning (Grad), Machine Learning, Data Science, Parallel Computing\*, Computer Systems, Syntax, Phonetics, Psycholinguistics.

## COMMUNITY

### Department Council

Vice Chair  
2025 - Now

### FIRE Leadership Council

Senior Councilmember  
2025 - Now

## SKILLS

Python, Java, R, MATLAB, JavaScript, HTML/CSS, PyTorch, NLTK, pandas, NumPy, Matplotlib, Git, Docker, GCP

Natural Language Processing, Machine Learning, Computational Linguistics, Question Answer, Evaluation Methods, Explainability, Multimodal NLP, English (Native), Gujarati (Native), Spanish (Intermediate), Korean (Beginner)