

Priya Pitre

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EDUCATION

Virginia Tech

Blacksburg, VA

Ph.D. & M.S. in Computer Science

- **Ph.D. in Computer Science**
- **M.S. in Computer Science**

Aug. 2025 – Present

Aug. 2023 – May 2025

* Cum. GPA: 3.91/4

* Relevant Courses: Machine Learning (I/II), Advanced Topics in Data, Optimization in ML, Advanced HCI

* M.S. Thesis: *Toward Deliberative AI: Multi-Agent LLMs for Real-World Reasoning*, focusing on frameworks, datasets, and metrics for tasks without ground truth

College of Engineering, Pune

Pune, India

B.Tech. in Computer Science (Honors)

Aug. 2018 – May 2022

* Cum. GPA: 8.16/10; CS Major GPA: 8.71/10

* Relevant Courses: Advanced Data Structures, Data Science, Natural Language Processing

EXPERIENCE

Graduate Research Assistant, Virginia Tech

Sept. 2023 – Present

- Funded by The Washington Post to develop an event-extraction timeline system for the *Ask the Post* platform
- Contributing to additional projects on large-scale social simulations and Agentic Mechanistic Interoperability

Independent Researcher

May 2024 – Present

- Collaboration with Dr Henning Wachsmuth (Leibniz University Hannover)
- Leading a project in Argumentation: focused on generating feedback and winner for subjective debates

Research Intern, BLENDER Lab (UIUC)

May 2024 – Aug. 2024

- Conducted experiments on bias in LLMs, examining model output shifts when prompted with different personas

RELEVANT PUBLICATIONS AND PREPRINTS

Towards Real-World Simulations and Multi-Agent Consensus without Ground Truth

Under Review at ICLR 2026

Priya Pitre, Gaurav Srivastava, Lu Zhang, Le Wang, Naren Ramakrishnan, Xuan Wang

CONSENSAGENT: Towards Efficient and Effective Consensus in Multi-Agent LLM Interactions Through Sycophancy Mitigation

ACL Findings 2025 [paper]

Priya Pitre, Naren Ramakrishnan, Xuan Wang

ArgAnalysis35K: A Large Scale Dataset for Argument Quality Analysis

ACL 2023 [paper]

Omkar Joshi, Priya Pitre*, Yashodhara Haribhakta*

RELEVANT PROJECTS

ArguMentor: Augmenting User Experiences with Counter-Perspectives [link]

Jan. 2024 – Jun. 2024

Done as a part of the class Adv. Topics in Human-Computer Interaction

- Created a human-AI collaboration system that aids in reading and understanding news opinion pieces, using features like highlighting arguments, generating summaries, Q&A, and generating counter-arguments.

DebGraph: Graph Based Debate Evaluation and Feedback [link]

Aug. 2024 - Dec. 2024

Done as a part of the class Adv. Topics in Data and Info: Learning with Graphs

- Graph-based system that combines the structural representation of Knowledge Graphs (KGs) with the contextual reasoning capabilities of Large Language Models (LLMs) to deliver multidimensional debate evaluation and feedback

REVIEWING EXPERIENCE

- ACL 2025, EMNLP 2022, 2023, 2024; CONLL 2025; IUI 2024, 2025, 2026

TECHNICAL SKILLS

Specializations: Andrew Ng's NLP Specialization, Deep Learning Specialization, Machine Learning Specialization (Coursera)

Libraries/Frameworks: PyTorch, Hugging Face Transformers, LangChain, vLLM, scikit-learn

Languages: Python, Java, R

NLP/LLM Skills: Multi-Agent Simulations, Retrieval-Augmented Generation (RAG), Prompt Engineering, Fine-tuning (LoRA/PEFT), Reinforcement Learning, Causal Inference, Argument Mining, Evaluation without Ground Truth, Annotations with humans and LLMs