

Pritika Ramu

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EDUCATION

University of Maryland
Ph.D. in Computer Science

College Park, Maryland
Sep 2025 – Present

Birla Institute of Technology and Science, Pilani
B.E. in Computer Science — **CGPA: 9.21/10**

Pilani, India
Aug 2019 – May 2023

- Received **50%** Institute Merit Scholarship (for **7** consecutive semesters)
- Graduated in the **top 2% of the Class of 2023**

PUBLICATIONS AND PREPRINTS

- [1] Is This a Bad Table? A Closer Look at the Evaluation of Table Generation from Text | **EMNLP '24 (short)**
Pritika Ramu, Aparna Garimella, Sambaran Bandyopadhyay | [📄](#)
- [2] Enhancing Post-Hoc Attributions in Long Document Comprehension via Coarse Grained Answer Decomposition | **EMNLP '24**
Pritika Ramu, Koustava Goswami, Apoorv Saxena, Balaji Vasan Srinivasan | [📄](#)
- [3] Unraveling the Truth: Do LLMs really Understand Charts? A Deep Dive into Consistency and Robustness | **EMNLP '24 (Findings)**
Srija Mukhopadhyay, Adnan Qidwai, Aparna Garimella, **Pritika Ramu**, Vivek Gupta, Dan Roth | [📄](#)
- [4] Zooming in on Zero-Shot Intent-Guided and Grounded Document Generation using LLMs | **INLG '24 (oral)**
Pritika Ramu, Pranshu Gaur, Rishita Emandi, Himanshu Maheshwari, Danish Javed and Aparna Garimella | [📄](#)
- [5] RE²: Region-Aware Relation Extraction from Visually Rich Documents | **NAACL '24**
Pritika Ramu, Sijia Wang, Lalla Mouatadid, Joy Rimchala, Lifu Huang | [📄](#)
- [6] PersonaAdaptedLM: Enhancing Instruction Following Models with Efficient Persona Transfer | **Preprint**
Pritika Ramu, Apoorv Saxena, Debraj Basu | [📄](#)
- [7] Infogen: Generating Complex Statistical Infographics from Documents | **ACL 2025**
Akash Ghosh, Aparna Garimella, **Pritika Ramu**, Sambaran Bandyopadhyay, Sriparna Saha | [📄](#)
- [8] Doc2Chart: Intent-Driven Zero-Shot Chart Generation from Documents | **EMNLP 2025**
Akriti Jain, **Pritika Ramu**, Aparna Garimella, Apoorv Saxena | [📄](#)
- [9] An Assessment of Some Ethical Challenges to Employee and Consumer Privacy in the Business World | **IJRBS '22**
Kumar Neeraj Sachdev, **Pritika Ramu** | [📄](#)


PATENTS

- [10] Generating Charts from Documents based on User Intent and Document Data | **USPTO App. 19/226,748**
Pritika Ramu, Aparna Garimella, Akriti Jain
- [11] Customizing Generative Machine Learning Model Output | **USPTO App. 19/195,421**
Pritika Ramu, Varsha Sankar, Meghanath M Y, Debraj Debashish Basu, Apoorv Umang Saxena
- [12] Multimodal Grounded Content Expansion | **USPTO App. 19/175,920**
Pranshu Gaur, Danish Javed, Rishita Emandi, Himanshu Maheshwari, **Pritika Ramu**, Aparna Garimella
- [13] Intent-guided and Grounded Document Generation | **USPTO App. 18/891,558**
Pritika Ramu, Aparna Garimella, Himanshu Maheshwari
- [14] Prompt-based Few-Shot Entity Extraction | **USPTO App. 18/360,721 (Published)**
Inderjeet Nair, **Pritika Ramu**, Akshay Singhal, Kumud Lakara, Vikas Balani, Anandhavelu N


RESEARCH EXPERIENCE

Graduate Research Assistant — Computational Linguistics and Information Processing Lab, UMD Sep 2025 – Present


- Advisor: Prof. Rachel Rudinger
- Working on understanding common ground and pragmatic reasoning in language models.

Research Associate — Adobe Research, Bangalore |  Jun 2023 – Aug 2025

- Created a PoC for **generating presentations** from a corpus [4,8,10] resulting in a feature adopted into product roadmap.
- Developed an **automatic evaluation pipeline** for table generation from text [1] and image-text relevance in presentations.
- Integrated automatic generation of **statistical charts** [3,7] and **infographics** from documents to add to presentations.
- Developed a **PEFT** method to **personalise LLMs** for brand guidelines while retaining instruction-following ability [6].
- Improved **attribution quality** for abstract answers for **Acrobat AI assistant** [2].
- **Mentored six undergraduate students** during their summer internships.


Research Assistant — VT-NLP Lab, Blacksburg, USA |  Jan 2023 – Jun 2023

- Developed a **relation extraction model** for visually rich documents, achieving **8%** improvement across domains [5].
- Introduced **multi-granular layout** representations, **constraint-based loss functions** and an **edge-aware graph attention network** to improve structural understanding.
- Curated and annotated data to **create a challenging dataset** for KIE tasks on diverse, complex-layout documents.

Research Intern — Adobe Research, Bangalore, India |  Jun 2022 – Aug 2022

- Developed an **entity extraction** model for documents in a **few-shot** setting [9].
- Designed an **attention mechanism** for contextualising embeddings with entity definition query.
- Created an annotation interface for few-shot example collection.

OTHER EXPERIENCE

Technology Development Intern — Goibibo-MakeMyTrip, Bangalore, India |  Jun 2021 – Jul 2021

- Created a **REST API** for Flights booking page of Goibibo using **NodeJS with Express**.
- Developed an **OCR feature** to extract details from passports and automatically fill traveller details.
- Analysed **web vitals** of page using **NewRelic** and **Lighthouse**. Improved Lighthouse performance score by **34%**.