

# Pritika Ramu

✉ pramu@umd.edu | 🌐 pritikaramu.github.io | 🎓 Google Scholar

## 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 — <b>CGPA: 9.21/10</b> <ul style="list-style-type: none"><li>• Received <b>50%</b> Institute Merit Scholarship (for <b>7</b> consecutive semesters)</li><li>• Graduated in the <b>top 2%</b> of the Class of <b>2023</b></li></ul>	Pilani, India Aug 2019 – May 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] RE<sup>2</sup>: Region-Aware Relation Extraction from Visually Rich Documents | **NAAACL '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

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<b>Graduate Research Assistant</b> — Computational Linguistics and Information Processing Lab, UMD	Sep 2025 – Present
<ul style="list-style-type: none"><li>• Advisor: Prof. Rachel Rudinger</li><li>• Working on understanding common ground and pragmatic reasoning in language models.</li></ul>	
<b>Research Associate</b> — Adobe Research, Bangalore   	Jun 2023 – Aug 2025
<ul style="list-style-type: none"><li>• Created a PoC for <b>generating presentations</b> from a corpus [4,8,10] resulting in a feature adopted into product roadmap.</li><li>• Developed an <b>automatic evaluation pipeline</b> for table generation from text [1] and image-text relevance in presentations.</li><li>• Integrated automatic generation of <b>statistical charts</b> [3,7] and <b>infographics</b> from documents to add to presentations.</li><li>• Developed a <b>PEFT</b> method to <b>personalise LLMs</b> for brand guidelines while retaining instruction-following ability [6].</li><li>• Improved <b>attribution quality</b> for abstract answers for <b>Acrobat AI assistant</b> [2].</li><li>• Mentored six undergraduate students during their summer internships.</li></ul>	
<b>Research Assistant</b> — VT-NLP Lab, Blacksburg, USA   	Jan 2023 – Jun 2023
<ul style="list-style-type: none"><li>• Developed a <b>relation extraction model</b> for visually rich documents, achieving <b>8%</b> improvement across domains [5].</li><li>• Introduced <b>multi-granular layout</b> representations, <b>constraint-based loss functions</b> and an <b>edge-aware graph attention network</b> to improve structural understanding.</li><li>• Curated and annotated data to <b>create a challenging dataset</b> for KIE tasks on diverse, complex-layout documents.</li></ul>	
<b>Research Intern</b> — Adobe Research, Bangalore, India   	Jun 2022 – Aug 2022
<ul style="list-style-type: none"><li>• Developed an <b>entity extraction</b> model for documents in a <b>few-shot</b> setting [9].</li><li>• Designed an <b>attention mechanism</b> for contextualising embeddings with entity definition query.</li><li>• Created an annotation interface for few-shot example collection.</li></ul>	

## OTHER EXPERIENCE

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<b>Technology Development Intern</b> — Goibibo-MakeMyTrip, Bangalore, India   	Jun 2021 – Jul 2021
<ul style="list-style-type: none"><li>• Created a <b>REST API</b> for Flights booking page of Goibibo using <b>NodeJS with Express</b>.</li><li>• Developed an <b>OCR feature</b> to extract details from passports and automatically fill traveller details.</li><li>• Analysed <b>web vitals</b> of page using <b>NewRelic</b> and <b>Lighthouse</b>. Improved Lighthouse performance score by <b>34%</b>.</li></ul>	