

# Abhilasha Sancheti

Ph.D. in Computer Science  
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## RESEARCH INTERESTS

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**Topics:** Long Context Understanding, LLM Evaluation, Conditional Text Generation with RL Rewards, Reasoning  
*My research interest includes long context understanding, preference-aligned text generation with RL rewards, and reasoning with a focus on evaluating LLMs for various capabilities by designing novel tasks, identifying social biases, and attributing the generated text for building trustworthy, and verifiable AI systems.*

## EDUCATION

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**PhD. in Computer Science, University of Maryland, College Park** Aug 2019 – Dec 2024 (Expected)  
*Thesis:* Entity-centric Understanding of Long Documents (GPA: **4.00**/4.00)  
*Advisor:* Prof. Rachel Rudinger  
*Committee Members:* Prof. Hal Daumé III, Prof. Philip Resnik, Prof. Abhinav Shrivastava, Dr. Balaji Vasani Srinivasan  
**Master of Science, University of Maryland, College Park** Aug 2019 – May 2021  
Computer Science (GPA: **4.00**/4.00)  
*Advisor:* Prof. Rachel Rudinger  
**Bachelor of Technology, Indian Institute of Technology Guwahati** Jul 2013 – May 2017  
Computer Science and Engineering (GPA: **9.66**/10.00)  
*Advisor:* Prof. Benny George Kenkireth

## PROFESSIONAL EXPERIENCE

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**FAIR Meta**, Research Scientist Intern (*Mentor:* Dr. Maha Elbayad) Jun 2024 – Nov 2024  
**Adobe Research**, Research Associate II Jun 2019 – May 2024  
**Adobe Research**, Research Associate I Jun 2017 – May 2019  
**Adobe Research**, Research Intern May 2016 – Jul 2016  
**Eklavya IIT Bombay**, Intern May 2015 – Jul 2015

## SELECTED PUBLICATIONS (GOOGLE SCHOLAR)

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**A. Sancheti\***, H. An\*, R. Rudinger. **On the Influence of Gender and Race in Romantic Relationship Prediction from Large Language Models.** *EMNLP 2024* (\* = equal contribution)  
**A. Sancheti**, K. Goswami, B. V. Srinivasan. **Post-Hoc Answer Attribution for Grounded and Trustworthy Long Document Comprehension: Task, Insights, and Challenges.** *\*SEM 2024*  
I. Mondal\*, **A. Sancheti\***. **On the Robustness of ChatGPT under Input Perturbations for NER Task.** *Tiny Papers@ICLR 2024* (\* = equal contribution)  
**A. Sancheti**, A. Garimella, B.V. Srinivasan, and R. Rudinger. **What to Read in a Contract? Party-specific Summarization of Legal Obligations, Entitlements, and Prohibitions.** *EMNLP 2023*  
D. Kothandaraman, S. Shekhar, **A. Sancheti**, M. Ghuhan, T. Shukla, and D. Manocha. **SALAD: Source-free Active Label-Agnostic Domain Adaptation for Classification, Segmentation and Detection.** *WACV 2023*  
**A. Sancheti**, A. Garimella, B.V. Srinivasan, and R. Rudinger. **Agent-specific Deontic Modality Detection in Legal Language.** *EMNLP 2022*  
A. Garimella\*, **A. Sancheti\***, V. Aggarwal, A. Ganesh, N. Chhaya and N. Kambhatla. **Text Simplification for Legal Domain: Insights and Challenges.** *NLLP@EMNLP 2022* (\* = equal contribution)  
**A. Sancheti**, and R. Rudinger. **What do Large Language Models Learn about Scripts?.** *\*SEM 2022*  
**A. Sancheti**, B.V. Srinivasan, and R. Rudinger. **Entailment Relation Aware Paraphrase Generation.** *AAAI 2022*  
N. Goyal, R. Paneri, A. Agarwal, U. Kalani, **A. Sancheti**, N. Chhaya. **CaM-Gen: Causally-aware Metric-guided Text Generation.** *ACL (Findings,) 2022*  
N. Goyal, B.V. Srinivasan, A. Natarajan, and **A. Sancheti**. **Multi-Style Transfer with Discriminative Feedback on Disjoint Corpus.** *NAACL 2021*  
S. Aggarwal, R. Garg, **A. Sancheti**, B.P Reddy, and I.A. Burhanuddin. **Goal-driven Command Recommendations for Analysts.,** *RecSys 2020*  
**A. Sancheti**, K. Krishna, B.V. Srinivasan, and N. Anandhavelu. **Reinforced Rewards Framework for Text Style Transfer.** *ECIR 2020*

A. Sancheti, P. Maheshwari, R. Chaturvedi, A.V. Monsy, T. Goyal, and B.V. Srinivasan. **Harvesting Knowledge from Cultural Heritage Artifacts in Museums of India.** *PAKDD 2018*

## PATENTS (GRANTED & APPLICATIONS)

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### **Attribution methods for Document question answering**

N. Lipka, J. Barrow, V. Manjunatha, C. Tensmeyer, S. Bhargava, SM. Ravi, A. Sancheti, A. Siu, I. Nair, K. Goswami, A. Nenkova, BV. Srinivasan, A. Mehra, A. Kumar

### **Generating and Utilizing Models for Long-range Event Relation Extraction**

H. Varma, P. Agarwal, S. Chauhan, A. Sancheti, A. Garimella, A. Natarajan

### **Image Description Generation with Varying Levels of Detail**

N. Goyal, K. Pardeshi, A. Iyer, P. Kulkarni, A. Sancheti, P. Vaddamanu, A. Garimella, A. Saxena, V. Vinay

### **Automated digital document generation from digital videos**

NH. Chhaya, T. Shukla, JK. Karnuthala, BPR. Guda, A. Saxena, A. Bohra, A. Sancheti, A. Bhattacharyya

### **System and methods for active domain adaptation**

D. Kothandaraman, S. Shekhar, A. Sancheti, MG. Arivazhagan

### **Multi-dimensional language style transfer**

N. Goyal, BV. Srinivasan, A. Natarajan, A. Sancheti

### **Expressive Text-to-Speech utilizing Contextual Word-level Style Tokens**

S. Shekhar, A. Sancheti, G. Choudhary, E. Santhosh, S. Agarwal, R. Saxena

### **Intent-based Command Recommendation generation in an Analytic System**

S. Aggarwal, R. Garg, B.P Guda, A. Sancheti, I. A. Burhanuddin

### **Method and System for Recommending Digital Content**

A. Sancheti, I. A. Burhanuddin, Z. Wen

### **Systems and methods for transferring stylistic expressions in machine translation of sequence data**

A. Sancheti, N. Anandhavelu, B. V. Srinivasan

### **Constructing enterprise-specific knowledge graphs**

B. V. Srinivasan, R. Chaturvedi, T. Goyal, P. Maheshwari, A. Monsy, A. Sancheti

### **Context-aware personal assistant for Analysts**

I. A. Burhanuddin, B. Bhattacharya, A. Sancheti, K. Satya, S. Revankar

## TECHNICAL SKILLS

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### **Programming Languages**

Python, C++, Java, R

### **Operating System**

Linux, Windows, Mac OS

### **Miscellaneous**

Tensorflow, Pytorch, Bash, Git, SQL, L<sup>A</sup>T<sub>E</sub>X

## AWARDS AND HONORS

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Received ICSSA travel grant from UMD and NAACL travel grant for attending NAACL 2024

Selected and Funded by Iribe Initiative for Diversity and Inclusion in Computing for attending Virtual 2020, 2022

### **Grace Hopper Celebration**

Received ECIR grant 2020

Girls Institute Topper and among top 5 in Computer Science and Engineering, Class of 2017 2017

Dewang Mehta Excellence Award 2016

Certificate of Merit for being among the top 0.1% of successful candidates of AISSCE in Physics 2012

## ACADEMIC SERVICE, TEACHING, AND MENTORING

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**Reviewer:** AAAI (2021, 2022, 2023, 2024), EMNLP (2022, 2023), ARR (2022, 2023, 2024), ACL (2023), WNUT (2020)

**Sub-Reviewer:** EMNLP (2021), ACL (2022), TACL (2022)

Teaching assistant for Database Design (Spring-2020) and Introduction to Artificial Intelligence (Fall-2019)

Co-mentored 30 undergraduate researchers during summers at Adobe Research 2017 – 2022