

Abhilasha Sancheti

Ph.D. in Computer Science
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RESEARCH INTERESTS

Long Document Understanding, LLM Evaluation and Attribution, Reasoning, Conditional Text Generation

EDUCATION

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. Abhinav Shrivastava, Dr. Balaji Vasan 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

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)

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. Ghuhane, 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)

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

Programming Languages	Python, C++, Java, R
Operating System	Linux, Windows, Mac OS
Miscellaneous	Tensorflow, Pytorch, Bash, Git, SQL, L ^A T _E X

AWARDS AND HONORS

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 Grace Hopper Celebration	2020, 2022
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

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