Abhilasha Sancheti

Ph.D. in Computer Science
University of Maryland, College Park
Maryland, USA - 20740

Email: sancheti@umd.edu
Website: abhilashasancheti.github.io
Mobile: +1-2404130053

RESEARCH INTERESTS

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

EDUCATION

PhD. in Computer Science   Aug 2019 – 2024 (Expected)
University of Maryland, College Park (GPA: **4.00**/4.00)
Advisor: Prof. Rachel Rudinger
Committee Members: Prof. Hal Daumé III, Prof. Abhinav Shrivastava, Dr. Balaji Vasan Srinivasan

Masters in Computer Science   Aug 2019 – May 2021
University of Maryland, College Park (GPA: **4.00**/4.00)
Advisor: Prof. Rachel Rudinger

Bachelor of Technology in Computer Science and Engineering   Jul 2013 – May 2017
Indian Institute of Technology Guwahati (GPA: **9.66**/10.00)
Advisor: Prof. Benny George Kenkireth

PROFESSIONAL EXPERIENCE

FAIR Meta, Research Scientist Intern   *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, 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**

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)

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, LaTeX

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