

Abhilasha Sancheti

Ph.D. in Computer Science
University of Maryland, College Park
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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 Vasani 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

SELECTED PUBLICATIONS (GOOGLE SCHOLAR)

Abhilasha Sancheti, Koustava Goswami, Balaji Vasani Srinivasan *Post-Hoc Answer Attribution for Grounded and Trustworthy Long Document Comprehension: Task, Insights, and Challenges* ***SEM, 2024**

Ishani Mondal*, **Abhilasha 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. Ghuman, 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

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. Nenkov, B.V. 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

EXPERIENCE

Adobe Research , Research Associate II	<i>Jun 2019 – May 2024</i>
Adobe Research , Research Associate I	<i>Jun 2017 – May 2019</i>
Adobe Research , Research Intern	<i>May 2016 – Jul 2016</i>
Eklavya IIT Bombay , Intern	<i>May 2015 – Jul 2015</i>

TEACHING EXPERIENCE

Undergraduate Courses	Database Design (Spring-2020) and Introduction to Artificial Intelligence (Fall-2019)
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RELEVANT COURSES

Graduate Courses	Robotics, Human Computer Interaction, Interactive Data Visualization, Computational Linguistics-I, Deep Learning, Machine Learning
Seminar Courses	Neural Machine Translation, Commonsense Reasoning and NLU
Undergraduate Courses	Linear Algebra, Probability Theory and Random Processes, Data Structures and Algorithms, Theory of Computation, Game Theory, Randomized Algorithms, Discrete Mathematics, Partial Differential Equations, Computer Vision using Machine Learning, Artificial Intelligence, Optimization Methods

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

ACHIEVEMENTS

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, ACTIVITIES, AND VOLUNTEERING

Reviewer: WNUT@EMNLP'20, AACL'21, EMNLP'22, ARR'22, AACL'22, AACL'23, ACL'23, EMNLP'23, AACL'24	
Sub-Reviewer: EMNLP'21, ACL'22, TACL'22	
Co-mentored 30 undergraduate researchers during summers at Adobe Research	2017 – 2022
Volunteer English Teacher for rural students with eVidyaloka NGO	2018 – 2019
Literary Secretary , Hostel Management Committee	2015 – 2016
Event Organiser , Robotics Techniche	2014