

Abhilasha Sancheti

Ph.D. in Computer Science
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RESEARCH INTERESTS

Long Text Understanding, Conditional Text Generation, LLM Evaluation, Commonsense Reasoning

EDUCATION

PhD. in Computer Science University of Maryland, College Park (GPA: 4.00 /4.00) <i>Advisor:</i> Prof. Rachel Rudinger	Aug 2019 – Present
Masters in Computer Science University of Maryland, College Park (GPA: 4.00 /4.00) <i>Advisor:</i> Prof. Rachel Rudinger	Aug 2019 – May 2021
Bachelor of Technology in Computer Science and Engineering Indian Institute of Technology Guwahati (GPA: 9.66 /10.00) <i>Advisor:</i> Prof. Benny George Kenkireth	Jul 2013 – May 2017

SELECTED PUBLICATIONS (GOOGLE SCHOLAR)

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**

T. Shukla, A. Bhattacharyya, A. Saxena, J.K. Karnuthala, A. Bohra, B.P.R. Guda, **A. Sancheti**, N. Chhaya *Videos2Doc: Generating Documents from a Collection of Procedural Videos* **IUI, 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**

B. Bhattacharya, I.A. Burhanuddin, **A. Sancheti**, and K. Satya, *Intent-aware Contextual Recommendation System* **DSBDA, ICDM 2017**

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, 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

EXPERIENCE

Adobe Research, Research Associate II (Research Abroad)

Dec 2020 – Aug 2022

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

TEACHING EXPERIENCE

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

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 Natural Language Understanding

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^AT_EX

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, AAAI'21, EMNLP'22, ARR'22, AAAI'22, AAAI'23, ACL'23, EMNLP'23, AAAI'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