Abhilasha Sancheti

Ph.D. in Computer Science
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Research Interests

Long Document Understanding, Narrative Understanding, Conditional Text Generation, Commonsense Reasoning

Education

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

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)

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

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, LaTeX

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

Extra-Curricular Activities

Bagged Gold medal in Table Tennis sports week	2015
1st Position in Table Tennis Girl's week	2015
1st Position in Category II in the Annual All India Essay writing event conducted by United Nations Information Center for India and Bhutan.	2009