

# Abhilasha Sancheti

Ph.D. in Computer Science  
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## RESEARCH INTERESTS

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Conditional Text Generation, Long Document Understanding, Textual Entailment, Commonsense Reasoning

## EDUCATION

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

## SELECTED PUBLICATIONS

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**Abhilasha Sancheti**, Aparna Garimella, Balaji Vasanth Srinivasan, and Rachel Rudinger *Agent-specific Deontic Modality Detection in Legal Language* **EMNLP, 2022** (to appear)

**Abhilasha Sancheti**, and Rachel Rudinger *What do Large Language Models Learn about Scripts?* **\*SEM, 2022**

**Abhilasha Sancheti**, Balaji Vasanth Srinivasan, and Rachel Rudinger *Entailment Relation Aware Paraphrase Generation* **AAAI, 2022**

Navita Goyal, Roodram Paneri, Ayush Agarwal, Udit Kalani, **Abhilasha Sancheti**, Niyati Chhaya *CaM-Gen: Causally-aware Metric-guided Text Generation* **ACL-Findings, 2022**

Tripti Shukla, Aanisha Bhattacharyya, Ayudh Saxena, Jeevana Kruthi Karnuthala, Abhinav Bohra, Bhanu Prakash Reddy Guda, **Abhilasha Sancheti**, Niyati Chhaya *Videos2Doc: Generating Documents from a Collection of Procedural Videos* **IUI, 2022**

Navita Goyal, Balaji Vasanth Srinivasan, Anandhavelu N, and **Abhilasha Sancheti** *Multi-Style Transfer with Discriminative Feedback on Disjoint Corpus* **NAACL, 2021**

Samarth Aggarwal, Rohin Garg, **Abhilasha Sancheti**, Bhanu Prakash Reddy, and Iftikhar Ahamath Burhanuddin, *Goal-driven Command Recommendations for Analysts*, **RecSys, 2020**

**Abhilasha Sancheti**, Kundan Krishna, Balaji Vasanth Srinivasan, and N. Anandhavelu, *Reinforced Rewards Framework for Text Style Transfer*, **ECIR, 2020**

**Abhilasha Sancheti**, Paridhi Maheshwari, Rajat Chaturvedi, Anish V. Monsy, Tanya Goyal, and Balaji Vasanth Srinivasan, *Harvesting Knowledge from Cultural Heritage Artifacts in Museums of India*, **PAKDD, 2018**

Bhattacharya, Biswarup, Iftikhar Burhanuddin, **Abhilasha Sancheti**, and Kushal Satya, *Intent-aware Contextual Recommendation System* **DSBDA, ICDM 2017**

## PATENTS

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**Multi-dimensional language style transfer**  
N. Goyal, BV. Srinivasan, A. Natarajan, **A. Sancheti** (US Patent App. 17/073,258)

**Expressive Text-to-Speech utilizing Contextual Word-level Style Tokens**  
S. Shekhar, **A. Sancheti**, G. Choudhary, E. Santhosh, S. Agarwal, R. Saxena (US Patent Filed July 21 2020)

**Intent-based Command Recommendation generation in an Analytic System**  
S. Aggarwal, R. Garg, B.P Guda, **A. Sancheti**, I. A. Burhanuddin (US Patent Filed July 14 2020)

**Method and System for Recommending Digital Content**  
**A. Sancheti**, I. A. Burhanuddin, Z. Wen (US Patent Filed November 21 2019)

**Systems and methods for transferring stylistic expressions in machine translation of sequence data**  
**A. Sancheti**, N. Anandhavelu, B. V. Srinivasan (US Patent Filed May 9 2019)

**Constructing enterprise-specific knowledge graphs**

B. V. Srinivasan, R. Chaturvedi, T. Goyal, P. Maheshwari, A. Monsy, **A. Sancheti** (US Patent Application #15928288 Published Sep 26 2019)

**Context-aware personal assistant for Analysts**

I. A. Burhanuddin, B. Bhattacharya, **A. Sancheti**, K. Satya, S. Revankar (US Patent Application #15594394 Published Nov 15 2018)

## EXPERIENCE

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

## TEACHING EXPERIENCE

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<b>Undergraduate Courses</b>	Database Design (Spring-2020) and Introduction to Artificial Intelligence (Fall-2019)
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## RELEVANT COURSES

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<b>Graduate Courses</b>	Robotics, Human Computer Interaction, Interactive Data Visualization, Computational Linguistics-I, Deep Learning, Machine Learning
<b>Seminar Courses</b>	Neural Machine Translation, Commonsense Reasoning and Natural Language Understanding
<b>Undergraduate Courses</b>	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

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<b>Programming Languages</b>	Python, C++, Java, R
<b>Operating System</b>	Linux, Windows, Mac OS
<b>Miscellaneous</b>	Tensorflow, Pytorch, Bash, Git, SQL, L <sup>A</sup> T <sub>E</sub> X

## ACHIEVEMENTS

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<b>Selected and Funded</b> by Iribe Initiative for Diversity and Inclusion in Computing for attending Virtual Grace Hopper Celebration	2020,2022
<b>Received ECIR grant</b>	2020
<b>Girls Institute Topper and among top 5 in Computer Science and Engineering</b> , Class of 2017	2017
<b>Dewang Mehta Excellence Award</b>	2016
<b>Certificate of Merit</b> for being among the top 0.1% of successful candidates of AISSCE in Physics	2012

## ACADEMIC SERVICE, ACTIVITIES, AND VOLUNTEERING

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<b>Reviewer:</b> WNUT@EMNLP'20, AAAI'21, EMNLP'22, ARR'22, AAAI'22, AAAI'23	
<b>Sub-Reviewer:</b> 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
<b>Literary Secretary</b> , Hostel Management Committee	2015 – 2016
<b>Event Organiser</b> , Robotics Techniche	2014

## EXTRA-CURRICULAR ACTIVITIES

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