## RISHABH JOSHI

Contact Information	Carnegie Mellon University Pittsburgh, PA, USA	E-mail : rjoshi2@cs.cmu.edu Links : Webpage, Google Scholar, LinkedIn	
Education	Carnegie Mellon University - School of Comput Master of Science in Language Technologies Courses : 10701, 11711, 11747, 11830, 10703, 10737, 10716	er Science; Pittsburgh, USA Aug 2021 CGPA : 3.94	
	Birla Institute of Technology and Science (BITS), H Bachelor of Engineering (Hons.) in Computer Science Thesis on "Distantly Supervised Relation Extraction using	$\mathrm{CGPA}: 9.28/10$	
	<b>The Mother's International School</b> ; Delhi, India Class XII, CBSE Class X, CBSE	$\begin{array}{c} {\rm May} \ 2014 \\ {\rm 95.6\%} \\ {\rm CGPA} \ : \ 10/10 \end{array}$	
Publications	BLICATIONS <b>Rishabh Joshi</b> , Vidhisha Balachandran, Shikhar Vashishth, Alan W Black and Yulia Tsvetkov. Dia Incorporating Interpretable Strategy-Graph Networks into Negotiation Dialogues. <i>In Proc. ICLR</i>		
	Ritam Dutt, Sayan Sinha, <b>Rishabh Joshi</b> , Surya Shekhar Chakraborty, Meredith Riggs, Xinru Yan, Haogang Bao and Carolyn Rose. ResPer : Computationally Modelling Resisting Strategies in Persuasive Conversations. In <i>Proc. EACL '21</i> .		
	Ritam Dutt, <b>Rishabh Joshi</b> and Carolyn Rosé. Keeping U Acts in Persuasion Oriented Discussions. In <i>Proc. EMNLP</i>		
Fanglin Chen, Ta-Chung Chi, Shiyang Lyu, Jiachen Gong, Tanmay Parekh, <b>R</b> and Alexander Rudnicky. Tartan : A Two-Tiered Dialog Framework for Mu <i>Proc. 3rd Alexa Prize '19-'20</i> .			
	Shikhar Vashishth, <b>Rishabh Joshi</b> , Ritam Dutt, Denis Newman-Griffis and Carolyn Rose proving Medical Entity Linking with Semantic Type Prediction. In <i>Proc. AMIA '21</i> .		
<ul> <li>Rishabh Joshi*, Sopan Khosla*, Ritam Dutt*, Alan W Black and Yulia Tsvetkov. LTIatC 2020 Task 11 : Incorporating Multi-Level Features for Multi-Granular Propaganda Span I Proc. SemEval '20.</li> <li>Rishabh Joshi*, Gaurav Kumar*, Jaspreet Singh* and Promod Yenigalla. AMUSED : Vector Representation Method for Use in Natural Dialogue. In Proc. LREC '20.</li> </ul>			
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	Rakesh Bal <sup>*</sup> , Sayan Sinha <sup>*</sup> , Swastika Dutta, <b>Rishabh Jos</b> Extent of Misinformation in Cancer Related Tweets. In <i>Pro</i>		
	Shikhar Vashishth, <b>Rishabh Joshi</b> , Sai Suman Prayaga, Ch SIDE : Improving Distantly-Supervised Neural Relation Ext '18.		
Experience	<ul> <li>Carnegie Mellon University</li> <li>Graduate Research Assistant (Advisors : Yulia Tsvetkov, Al</li> <li>Proposed an intrepretable text summarization based app ding important concepts of research articles which can th</li> <li>Performed a linguistic driven analysis on the characterist strategy-sequence structure using Graph Neural Network</li> <li>Collaborated with team Tartan to develop a conversati developed mini-bots and analyzed conversational story st</li> <li>Modeled the structure of dialogue by analyzing the flic coherence. Submitted proposal for Alexa Challenge 2020</li> <li>Samsung Research Institute</li> <li>Software Engineer - Natural Language Understanding</li> <li>Improved open domain dialogue systems using side inform</li> <li>Constructed a low resource intent classification and spear</li> </ul>	be used to study knowledge proliferation. tics of good negotiators and incorporated explicit st to improve non-collaborative dialogue systems. ional system in Amazon Alexa Challenge 2019; tructure, reached semi-finals. ow of conversational topics and detecting non- b. Bangalore, India Aug 2018 - Aug 2019 mation and contextual knowledge.	

	Indian Institute of Science Undergraduate Thesis (Advisor : Partha Talukdar)	Bangalore, India Jan 2018 - July 2018		
	Constructed a unique India-Centric Knowledge Graph based on the Never-Ending Language Learning Paradigm.			
	• Improved Distantly-Supervised Relation Extraction using Side Information achieving SOTA results.			
	Samsung Research Institute       Bangalore, India         Summer Intern - 5G Team       May 2017 - July 2017         • Developed tools for packet generation and distributed analysis for the data link layer of 5G protocol.			
	Indian Institute of Remote Sensing, ISRO Research Intern (Advisor : Sameer Saran)	Dehradun, India May 2016 - July 2016		
	• Developed core API and execution engine of the DataCube for the effective storage of large earth observation datasets using Python and ideas from distributed and pa	· · · · · · · · · · · · · · · · · · ·		
Projects	Multilingual Structured Text Summarization, Advisor : Yulia Tsvetkov, CMU	Sept 2020 - Present		
	<ul><li>Improved abstractive summarization by incorporating latent and explicit structure.</li><li>Proposed adapter network based model to leverage multilingual translation advances in summarization.</li></ul>			
	<ul> <li>Coherence Aware Curious Bot, Advisor : Alex Rudnicky, CMU</li> <li>Proposed a curious bot system which learns to ask better questions to keep convers</li> <li>Leveraged Knowledge Graphs to form novel questions and keep track of dialogue converses</li> </ul>	000		
	<ul> <li>Detecting Bias in Visual Commonsense Reasoning, Advisor : Yulia and Alan, CMU Jan - May 2020</li> <li>Explored robustness in models and bias in the way male and female genders are portrayed in human reasoning in the domain of Visual Question Answering.</li> <li>Studied the different kinds of biases present in the answers and rationales of a common VQA dataset.</li> </ul>			
	Propaganda Identification in News, Advisor : Yulia and Alan, CMU	Jan - May 2020		
	• Proposed a multi-granular framework to incorporate multi-level features for the SemEval 2020 task of detecting propaganda spans in news articles. Performed $4^{th}$ in span identification task.			
	<ul> <li>Face Acts and Resisting Persuasion Strategies, Advisor : Carolyn Rosé, CMU</li> <li>Proposed frameworks to encode notions of face in a conversation and resisting persu review).</li> </ul>	Jan - May 2020 asion strategies (under		
TEACHING	<ul> <li>Teaching Assistant for Applied Machine Learning 11-663, CMU</li> <li>Assisted Carolyn Rosé by taking office hours for around 100 students and assistin projects during Spring and Fall 2020.</li> </ul>	Jan - Dec 2020 g them in their group		
	Teaching Assistant for Data Structures and Algorithms, BITS Pilani	Jan - May 2017		
	• Helmed two lab sections and was the jury for the online judge with the responsibility of assisting 200+ students. The course was taught by Sundar S Balasubramaniam.			
Honors and Awards	<ul> <li>Honourable Mention, Won a cash prize of \$200 for an oral presentation at CMU</li> <li>1st, Campus ML Hackathon organized by MapMyIndia on Kaggle in APOGEE, Bi</li> <li>3rd, ML Hackathon organized by D.E. Shaw on HackerEarth</li> <li>2nd, E-Yantra, a robotics competition organized by MHRD and IIT Bombay</li> <li>Merit, Recipient of Institute Merit Scholarship for academic excellence</li> <li>1574, All India Rank (AIR), IIT-JEE (out of around 1,300,000)</li> <li>Inspire, Recipient of Govt. of India Inspire Scholarship (top 1% in CBSE)</li> <li>All India Topper, Chemistry, CBSE Class XII Board (100/100)</li> <li>School Topper, Computer Science, CBSE Class XII Board (99/100)</li> </ul>			
Positions of Responsibility	<ul> <li>Executive Coordinator, Embryo Club, BITS Pilani</li> <li>Handled the finances of the club and raised club treasury from Rs. 20,000 to Rs. campus talk by Amish Tripathi, handling all expenses and negotiations.</li> </ul>	Apr 2016 - Apr 2017 180,000. Organized on		
	Joint Activities Coordinator, ACM BITS Chapter       Aug 2015 - Aug 2016         • Conducted more than 8 events for ACM BITS chapter throughout the year. BITS-ACM won the best ACM chapter award for that year in India.			
Extra Curricular Activities	Volunteered for National Service Scheme, BITS Pilani chapter from Aug 2014 to Aug 2014 leged people to become acquainted in computers. Organized Junoon, sports festival for Lectured junior year students on transition trends of Campus-to-Corporate (C2C) und	physically challenged.		