

# Debjit Paul

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Google Scholar Profile

<b>AREAS OF INTEREST</b>	<i>Natural Language Processing, Deep Learning, Natural Language Understanding, Commonsense Reasoning, Knowledge-based Reasoning, Interpretable and Explainable Machine Learning</i>	
<b>EDUCATION</b>	<i>PhD Candidate in Computational Linguistics</i>	May 2018 - Present
	Research Training Group AIPHES Heidelberg University Thesis: “Social Commonsense Reasoning with Structured and Unstructured Knowledge” Advisor: Prof. Dr. Anette Frank	
	<i>MSc in Computer Science</i>	October 2014 - November 2017
	Saarland University Saarbrücken, Germany Thesis: “Multitasking Learning With Unreliable Labels” Advisor: Prof. Dr. Dietrich Klakow	
	<i>Bachelor in Computer Science Engineering,</i>	July 2010 - August 2014
	GuruNanak Institute of Technology Kolkata, India Thesis: “Improved Algorithm for Human and non Human Object Detection”	
<b>WORK EXPERIENCE</b>	<i>Industry Intern</i>	Jan 2018 - March 2018
	Amplexor International Work on Neural Machine Translation System for Medical data	
	<i>Research Assistant</i>	October 2016 - November 2016
	Saarland University Work on designing the programming challenge PACE.	
<b>PUBLICATIONS</b>	<i>COINS: Dynamically Generating <u>C</u>ontextualized <u>I</u>nference Rules for <u>N</u>arrative <u>S</u>tory Completion</i>	
	Association for Computational Linguistics (ACL 2021) <b>Debjit Paul</b> , Anette Frank	
	<i>Generating Hypothetical Events for Abductive Inference</i> Proceedings of the Tenth Joint Conference on Lexical and Computational Semantics (*Sem 2021) <b>Debjit Paul</b> , Anette Frank	
	<i>Social Commonsense Reasoning with Multi-Head Knowledge Attention</i>	

Findings of the Association for Computational Linguistics: EMNLP 2020  
**Debjit Paul**, Anette Frank

*Argumentative Relation Classification with Background Knowledge*  
Proceedings of the 8<sup>th</sup> International Conference on Computational Models of Argument (COMMA 2020), Frontiers in Artificial Intelligence and Applications, Computational Models of Argument.  
**Debjit Paul**, Maria Becker, Juri Opitz, Graeme Hrist and Anette Frank

*Explaining Arguments with Background Knowledge*  
Datenbank-Spektrum 20, 131–141 (2020)  
Maria Becker, Ioana Hulpuş, Juri Opitz, **Debjit Paul**, Jonathan Kobbe, Heiner Stuckenschmidt, Anette Frank

*Ranking and Selecting Multi-Hop Knowledge Paths to Better Predict Human Needs*  
North American Chapter of the Association for Computational Linguistics (NAACL 2019)  
**Debjit Paul**, Anette Frank

*Handling Noisy Labels for Robustly Learning from Self-Training Data for Low-Resource Sequence Labeling*  
North American Chapter of the Association for Computational Linguistics: Student Research Workshop (NAACL-SRW 2019)  
**Debjit Paul**, Mittul Singh, Michael A. Hedderich, Dietrich Klakow

*Numerical Comparison of multi-step iterative methods for finding roots of non-linear equations*  
International Journal of Mathematics Trends and Technology, Volume 4 Issue 8-September 2013  
Anup Kumar Thander, Goutam Mandal, **Debjit Paul**

**REVIEWING** NAACL 2021, EACL 2021, \*SEM 2020 & 2021, EMNLP 2020, KI 2019, COIN 2019

**HONORS AND AWARDS** Nominated as Best Student paper at COMMA 2020  
Poster Presentation: “Graph-based Multi-Hop Commonsense Knowledge”, EurNLP 2019, London,UK  
Winner of HQ Hackathon 2017, at Trivago, Dusseldorf, Germany

**TECHNOLOGY SKILLS** *Programming Languages:* Python, Java, C.  
*Machine learning and NLP tools:* NumPy, PyTorch, Tensorflow, DyNet, scikit-learn, spaCy, NLTK, word2vec, AllenNLP, Transformers library.

**LANGUAGES** *Bengali:* Native language  
*English:* Full professional proficiency  
*German:* Elementary proficiency

**REFERENCES** Available upon request