

# Debjit Paul

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Postdoctoral Researcher  
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Google Scholar Profile

<b>AREAS OF INTEREST</b>	Natural Language Processing, Deep Learning, Natural Language Understanding, Commonsense Reasoning, Knowledge-based Reasoning, Interpretable and Explainable Machine Learning	
<b>EDUCATION</b>	<b>Ph.D. in Computational Linguistics</b>	2018 - 2022
	<b>Heidelberg University</b> <i>Thesis:</i> “Social Commonsense Reasoning with Structured Knowledge in Text” <i>Advisor:</i> Prof. Dr. Anette Frank	
	<b>M.Sc. in Computer Science</b>	2014 - 2017
	<b>Saarland University</b> <i>Thesis:</i> “Multitasking Learning With Unreliable Labels” <i>Advisor:</i> Prof. Dr. Dietrich Klakow	
	<b>B.Tech in Computer Science</b>	2010 - 2014
	<b>GuruNanak Institute of Technology</b> <i>Thesis:</i> “Improved Algorithm for Human and non-Human Object Detection”	
<b>WORK EXPERIENCE</b>	<b>Postdoctoral Researcher</b>	April 2022 - Present
	<b>School of Computer and Communication Sciences at EPFL</b> <i>Host:</i> Prof. Dr. Boi Faltings, Prof. Dr. Robert West	
	<b>Research Intern</b>	Winter 2021
	<b>Amazon Alexa AI Team, Berlin</b> <i>Topic:</i> Continual Learning for NLP	
<b>PUBLICATIONS</b>	<i>COINS: Dynamically Generating C<u>O</u>ntextualized I<u>n</u>ference Rules for N<u>a</u>r<u>r</u>ative S<u>t</u>ory 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>CO-NNECT: A Framework for Revealing Commonsense Knowledge Paths as Explic-itations of Implicit Knowledge in Texts</i> Proceedings of the 14th International Conference on Computational Semantics Maria Becker, Katharina Korfhage, <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** ACL 2022, ARR, NAACL 2021, EACL 2021, \*SEM 2020 & 2021, EMNLP 2020 & 2021, CoNLL 2021, KI 2019, COIN 2019

**HONORS AND AWARDS** Nominated as Best Student paper at COMMA 2020  
Facebook Travel Award for 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