Debjit Paul

Heidelberg University
Im Neuenheimer Feld 325
69120 Heidelberg, Germany
+49 17687136243
debjitpaulms@gmail.com
https://debjitpaul.github.io/
Google Scholar Profile

AREAS OF INTEREST

Natural Language Processing, Deep Learning, Natural Language Understanding, Commonsense Reasoning, Knowledge-based Reasoning, Interpretable and Explainable Machine Learning

EDUCATION

PhD Candidate in Computational Linguistics May 2018 - Present
Research Training Group AIPHES
Heidelberg University
Thesis: "Social Commonsense Reasoning with Structured and Unstructured Knowledge"
Advisor: Prof. Dr. Anette Frank

MSc in Computer Science October 2014 - November 2017
Saarland University
Saarbrücken, Germany
Thesis: "Multitasking Learning With Unreliable Labels"
Advisor: Prof. Dr. Dietrich Klakow

Bachelor in Computer Science Engineering, July 2010 - August 2014
GuruNanak Institute of Technology
Kolkata, India
Thesis: "Improved Algorithm for Human and non Human Object Detection"

WORK EXPERIENCE

Industry Intern Jan 2018 - March 2018
Amplexor International
Work on Neural Machine Translation System for Medical data

Research Assistant October 2016 - November 2016
Saarland University
Work on designing the programming challenge PACE.

PUBLICATIONS

COINS: Learning to Generate COntextualized Inference Rules for Narrative Story Completion
Association for Computational Linguistics (ACL 2021)
Debjit Paul, Anette Frank

Social Commonsense Reasoning with Multi-Head Knowledge Attention
Findings of the Association for Computational Linguistics: EMNLP 2020
Debjit Paul, Anette Frank

Argumentative Relation Classification with Background Knowledge
Proceedings of the 8^{th} International Conference on Computational Models of Argu-

ment (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**

*(Under Review *SEM 2021) Hypothetical Reasoning meets Abductive Commonsense Reasoning*
Debjit Paul, Anette Frank

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