Vinit Ravishankar

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Education

University of Oslo, Norway   2018 - 2023
PhD, Language Technology Group
Thesis: _Understanding Multilingual Language Models: Training, Representation & Architecture_

University of Copenhagen, Denmark   2021 - 2022
Research visit, CoAStaL

Charles University in Prague, Czech Republic   2016 - 2018
M.Sc. Computational Linguistics (_Excellent_)

University of Malta, Malta   2016 - 2018
M.Sc. Human Language Science and Technology (_A)_
Thesis: _Parsing of Texts with Code-Switching_

Savitribai Phule Pune University, Maharashtra, India   2012 - 2016
B.Tech. Computer Engineering (_Distinction_)

Grants

UiO:Energi   50 000 NOK
Research visit funding; I was the principal applicant

Erasmus Mundus Language & Communication Technologies   ~30 000 EUR
M.Sc. scholarship, full funding; I was the principal applicant

Teaching

Courses

Neural Methods in Natural Language Processing (IN5550), University of Oslo   2019 - 2021
MSc-level course that covered applications of neural-network based architectures to NLP problems. Course topics included word embeddings, recurrent and convolutional neural networks, (self-) attention, seq2seq models and a primer on the transformers library. I co-organised and conducted lab sessions, developed coursework, and taught classes surrounding the attention mechanism and the transformer architecture.

Supervision

MSc thesis (Anette Fredriksen, University of Oslo)   2020 - 2022
Transfer Effects in Scandinavian Languages: A Case Study on Dependence Parsing

Google Summer of Code   2018
Mentored the development of a Marathi-Kannada rule-based machine translation pair

Google Summer of Code   2016
Mentored a student designing a linting system for the Apertium MT framework

Examining committees

MSc thesis, Sophie Martina Blum, University of Bergen   2023
Investigating Biases in Rules Extracted from Language Models

MSc thesis, Katarina Ekren, University of Bergen   2022
Experiments on Satire Detection for Norwegian News Articles

MSc thesis, Guro Sivertsen Prestegaard, University of Bergen   2021
Punctuation Prediction for Norwegian

Experience

Collaboration

I have extensively collaborated with researchers across Denmark, Norway, Sweden, Finland, Germany, France, the Netherlands, Czechia, Malta, the United Kingdom, and the United States (see: bibliography). I have also presented my research in person at multiple international conferences. Over the course of my PhD at the University of Oslo, I participated in two week long research visit to the University of Helsinki, and a year long visit to the University of Copenhagen. I have also attended a number of summer/winter schools with full external financing, including ESSLLI 2017 (Toulouse, FR), 2018 (Sofia, BG), LxMLS 2019 (Lisbon, PT), EurNLP 2019 (London, UK), and the NLPL Winter School 2019 & 2020 (Skeikampen, NO).

Conferences

In-person: ACL 2022 (Dublin, IE); RepL4NLP 2019 (Florence, IT); DL4NLP 2019 (Turku, FI); LREC 2018 (Miyazaki, JP); ACLing 2017 (Dubai, UAE); FSMNLP 2017 (Umeå, SE)
Virtual: ACL 2022; EMNLP 2021; NoDaLiDa 2021; EMNLP 2020; ACL 2020

Outreach

I am presently in the process of collaboratively developing and launching an open-access magazine (named Fragments Magazine). The magazine aims to engage with practitioners and researchers of technoscience, and solicit critical analyses of the development of technoscience in the digital age, both as articles and as interviews. To this end, we are interfacing between academics, journalists, and the cultural sector, both as a source of potential contributors and for funding opportunities for the initial launch event for Fragments.