

NIKHIL SAINI

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Degree	Course	University	Year	CPI / %
M.Tech (RA)	CSE	IIT Bombay	2021	9.43
B.E.	CSE	FTE, MSU, Baroda	2018	72.80

INTERESTS

- Machine Learning
- Natural Language Processing
- Speech
- Algorithms

PUBLICATIONS

- Language Relatedness and Lexical Closeness can help Improve Multilingual NMT: IITBombayMultiIndic-NMT WAT2021**
Jyotsana Khatri, Nikhil Saini, Pushpak Bhattacharyya
To appear in Proceedings of the 8th Workshop on Asian Translation, 2021.
- EACL 2021: Disfluency Correction using Unsupervised and Semi-supervised Learning**
Nikhil Saini, Drumil Trivedi, Shreya Khare, Tejas Dhamecha, Preethi Jyothi, Samarth Bharadwaj, Pushpak Bhattacharyya
Proceedings of EACL (16th Conference of the European Chapter of the Association for Computational Linguistics), 2021.
- ACL 2020: Generating Fluent Translations from Disfluent Text Without Access to Fluent References: IIT Bombay@IWSLT2020**
Nikhil Saini, Jyotsana Khatri, Preethi Jyothi, Pushpak Bhattacharyya
Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics: System Demonstrations
- PDGC 2020: Load Balancing in Heterogeneous Distributed Systems Using Singleton Model**
Nikhil Saini, Jeet Rabari, Mamta C. Padole, Vaibhav Solanki
In 2020 Sixth International Conference on Parallel, Distributed and Grid Computing

MASTER'S THESIS & RESEARCH PROJECTS

- Exploring Disfluencies for Speech to Text Machine Translation**
Master's Thesis | Guide: Prof. Preethi Jyothi & Prof. Pushpak Bhattacharyya (Jun'20 - Jul'21)
- Unsupervised Neural Machine Translation**
R&D Project | Guide: Prof. Pushpak Bhattacharyya (Jan'20 - May 2020)
- Preordering in Neural Machine Translation: Helpful or Not?**
R&D Project | Guide: Prof. Pushpak Bhattacharyya (Jul'19 - Nov'19)

Talks

- Disfluency Correction in the Context of Speech To Speech Machine Translation**
ACM Winter School on Natural Language Processing (IRNLP, DAIICT) (Jan'21)
- Developing High Quality Speech To Speech Machine Translation (SSMT)**
NASSCOM - The NLP Week (Apr'21)
- Machine Translation**
ACM Winter School on Natural Language Processing (IRNLP, DAIICT) (Jan'21)

WORK EXPERIENCE

- Computer Center, IIT Bombay Research Assistantship (System Administrator)** (Jul'18 - Jun'21)
 - Monitoring & maintaining over **750** Cisco & Extreme switches & **150** VMs using Zabbix.
 - Implementation of **ELK Stack** to search, analyze, and visualize logs from multiple live internal services.

TECHNICAL SKILLS

- Programming Languages:** C, C++, Python, Bash
- Libraries:** OpenNMT-py, Fairseq, Moses, pandas, NumPy
- Tools:** Pytorch, TensorFlow, Vim, , 
- Frameworks:** Django, Bootstrap