

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

HONOR & AWARD

- **Excellence in Research for M.Tech Thesis**
Issuer: Department of Computer Science and Engineering IIT Bombay, August 2021

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)

TECHNICAL SKILLS

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