

Dr. Sahinur Rahman Laskar

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Current Job

Assistant Professor at SoCS, UPES (NIRF#46), Dehradun since 09/02/2023 to present (1.6 year +).

Qualification

Ph.D., CSE National Institute of Technology, Silchar, India (2023).

Research Interest

Machine Translation, Natural Language Processing, Deep Learning, Machine Learning.

Skills

Python, Java, C, C++, HTML, JavaScript, MySQL, BeautifulSoup, Scrapy, Flask, Streamlit.

Work Experience and Responsibility

- Organizer of Shared Task: Low-Resource Indic Language Translation, EMNLP 2023 EIGHTH CONFERENCE ON MACHINE TRANSLATION (WMT23), Link: <http://www2.statmt.org/wmt23/indic-mt-task.html>
- Worked as a Guest Faculty/Lecturer on contractual position (3 years 4 months) at Assam University (CSE Department), Silchar, India and M.H.C.M Science College, Algapur (CS Department), Silchar, India
- Worked as a Junior Research Fellow (JRF) at Assam University, Silchar, India from 03/08/2015 to 31/01/2016.

List of Work Experience and Responsibility Link:

<https://sahinurlaskar.github.io/Work-Experience-Responsibility.pdf>

Research Participation and Achievement

Participated in different machine translation shared tasks like WMT, WAT, and LoResMT in the past several years and achieved benchmark results. **List of Research Participations and Achievements Link:** <https://sahinurlaskar.github.io/Participation-Achievement.pdf>

NLP Projects

- **NativQA: Multilingual Culturally-Aligned Natural Query for LLMs** (Communicating at EMNLP-2024) Link: <https://nativqa.gitlab.io/>
Paper Link: <https://arxiv.org/abs/2407.09823>
- **Indic Multilingual Emotion Detection** Current languages supported: Hindi
Link: <https://github.com/Verathagnus/Multilingual-Emotion-Detection>
Deployed Link: <https://portfolio-med.bahash.in/?tab=tabs-bui1-tab-1>
- **Indic Multilingual Text Summarization** Current languages supported: Bengali
Link: <https://github.com/Verathagnus/Multilingual-Text-Summarization>
Deployed Link: <https://portfolio-med.bahash.in/?tab=tabs-bui1-tab-0>

Research Publications

Patent (2)

Journal Articles (12) (7 SCIE, 5 SCOPUS)

Conference/Workshop Proceedings (29)

Book Chapters (2)

Best 5 Journal Articles

- 1 Kakum, N., **Laskar, Sahinur Rahman**, Sambyo, K., & Pakray, P. (2023). Neural machine translation for limited resources english-nyishi pair. *Indian Academy of Sciences (Sadhana) (SCIE) (Impact Factor: 1.6)*.
doi:https://doi.org/10.1007/s12046-023-02308-8
- 2 **Laskar, Sahinur Rahman**, Paul, B., Dadure, P., Manna, R., Pakray, P., & Bandyopadhyay, S. (2023). English-assamese neural machine translation using prior alignment and pre-trained language model. *Computer Speech Language Journal (SCIE) (Impact Factor: 3.252)*.
doi:https://doi.org/10.1016/j.csl.2023.101524
- 3 **Laskar, Sahinur Rahman**, Khilji, A. F. U. R., Pakray, P., & Bandyopadhyay, S. (2022). Improved neural machine translation for low-resource english-assamese pair. *Journal of Intelligent Fuzzy Systems (SCIE) (Impact Factor: 2)*, 42, 4727–4738. doi:https://doi.org/10.3233/JIFS-219260
- 4 **Laskar, Sahinur Rahman**, Pakray, P., & Bandyopadhyay, S. (2022). Investigation of negation effect for english–assamese machine translation. *Indian Academy of Sciences (Sadhana) (SCIE) (Impact Factor: 1.6)*, 47(4), 1–11. doi:https://doi.org/10.1007/s12046-022-01965-5
- 5 Khilji, A. F. U. R., Manna, R., **Laskar, Sahinur Rahman**, Pakray, P., Das, D., Bandyopadhyay, S., & Gelbukh, A. (2021). CookingQA: Answering questions and recommending recipes based on ingredients. *Arabian Journal for Science and Engineering (SCIE) (Impact Factor: 2.807)*, 46(4), 3701–3712.
doi:https://doi.org/10.1007/s13369-020-05236-5

List of Publications Link:

https://sahinurlaskar.github.io/List_publication_SRL.pdf

Mentorship Experience

- MTech. (Major Project) guided, Title: "Detecting Cyberbullying in Codemixed Dataset" (Ms.Gauri Gupta, MTech CSE) (Accepted in Scopus Indexed Journal) (2024)
- B.Tech. Internship project guided, Title: "MiglaniHomeEssentials: E-Commerce Website" (Deepanshu Miglani, B.Tech CSE(AIML)) Link: <https://github.com/deepanshum0408/Flask-E-commerce-website> (2024)

Reviewer

- Association for Computational Linguistics (ACL) 2024
- Journal of Experimental and Theoretical Artificial Intelligence (TETA)
- Transactions on Asian and Low-Resource Language Information Processing (TALLIP)
- Natural Language Engineering Journal (NLE)
- International Conference on Intelligence Computing Systems and Applications (ICICSA-2022) (Springer)
- IEEE, SILCON-2022
- Computer Vision, High Performance Computing, Smart Devices and Networks (CHSN-2022)

- International Conference on Machine Learning and Data Engineering (ICMLDE-2023)

Visibility

- Google Scholar Link: <https://scholar.google.com/citations?user=fbqD9i8AAAAJ&hl=en&authuser=2>
Citations: 391; h-index:13; i10-index:14 (Accessed on 14/10/2024)
- ResearchGate Link: <https://www.researchgate.net/profile/Sahinur-Laskar> Citations: 237; h-index: 10;
Research Interest Score: 213.1 (Accessed on 14/10/2024)
- ORCID: <https://orcid.org/0000-0002-8413-2718>
- Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57216695235>
- VIDWAN: <https://vidwan.inflibnet.ac.in/profile/414530>