

CURRICULUM VITAE

Manash Pratim Lahkar

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Educational Qualifications

Sl. No.	Examination Passed	Year of Passing	Board / Council / University	Specialization
1	HSLC / 10th Std.	2013	SEBA	
2	HS / 10+2 Std.	2015	AHSEC	
3	BCA	2018	Gauhati University	
4	MCA	2021	Assam Engineering College	
5	Ph.D.	2026	Tezpur University	Natural Language Processing
6	M. Phil.			
7	Post-Doctoral			
8	Others			

Languages Known

Language	Read	Write	Speak
Assamese	Yes	Yes	Yes
English	Yes	Yes	Yes
Hindi	Yes	Yes	Yes

List of Publications

Journal Articles

1. **Lahkar, M. P.**, Pradhan, T., & Sharma, U. Generative Pre-training for Low-Resource Question Answering: Integrating Morphological Constraints in Assamese Language Modeling. *Information Sciences*, Elsevier, Article 123645, 2026. (Q1, SCIE, Web of Science, Scopus)
2. **Lahkar, M. P.**, Pradhan, T., & Sharma, U. CAHG-CL: Contribution-Aware Highlight Generation with Contrastive Learning for Scientific Papers. *Information Sciences*, Elsevier. (Q1, SCIE, Web of Science, Scopus)
3. Sarmah, P., **Lahkar, M. P.**, Kalita, S., & Sharma, U. Recent Developments in Named Entity Recognition Techniques for Indian Languages: A Comprehensive Review. *Natural Language Processing Journal*, Elsevier, Article 100199, 2026. (Q1, SCIE, Web of Science, Scopus)
4. **Lahkar, M. P.**, Sharma, U., & Pradhan, T. Optimizing Assamese Information Retrieval Using Classification and Embedding Techniques. *International Journal of Machine Learning and Cybernetics*, Springer, Vol. 17(2), 2026. (Q2, SCIE, Web of Science, Scopus)
5. **Lahkar, M. P.**, Sharma, U., & Pradhan, T. AsTQA: A Benchmark Dataset and Generative Language Model for Tabular Question Answering in Assamese. *Procedia Computer Science*, Vol. 283, pp. 2072–2081, 2026. (Scopus)
6. **Lahkar, M. P.**, Sarmah, P., Kalita, S., & Sharma, U. NerAxom: A BIO-Tagged NER Dataset and Hybrid Neural-Rule Framework for Assamese. *Engineering Research Express*, 2026. (Q2, ESCI, Scopus)
7. Sarmah, P., **Lahkar, M. P.**, Kalita, S., & Sharma, U. NerAxom-MGF: Leveraging Multi-Granularity Fusion for Assamese Named Entity Recognition. *Information Retrieval Research Journal (IRRJ)*, 2026. (Accepted; DBLP, Crossref)
8. **Lahkar, M. P.**, Sharma, U., & Pradhan, T. MABPE: Morphology-Aware Byte Pair Encoding for Assamese Tokenization. *Mathematical Forum*, Vol. 33(II), 2025. (UGC CARE Listed)

Conference Publications

1. **Lahkar, M. P.**, Sharma, U., & Pradhan, T. Evaluating Custom Assamese Word Embeddings through Analogy Benchmarks and Statistical Significance Testing. In *2026 IEEE Guwahati Subsection Conference (GCON)*, 2026, pp. 1–5.
2. **Lahkar, M. P.**, Sharma, U., & Pradhan, T. Cross-Lingual Transfer vs. Minimal Fine-Tuning for Indic Question Answering: An Empirical Study on the Indic-QA Benchmark. In *Proceedings of the 17th Forum for Information Retrieval Evaluation (FIRE)*, 2025. (ACM Digital Library)

3. **Lahkar, M. P.**, Sharma, U., & Pradhan, T. When Graphs Meet Fine-Tuning: A Dual Approach to Low-Resource Assamese Question Answering. In *IEEE International Conference on Recent Advances in Information Technology (RAIT)*, 2025. (IEEE Xplore)
4. Das, D., **Lahkar, M. P.**, Gogoi, A., & Boro, D. Side-Channel Analysis for Malicious Activity Detection Using Deep Learning Techniques. In *Proceedings of the First International Conference on Cognitive and Cloud Computing*, Springer, 2024.
5. Kumar, Y. D., **Lahkar, M. P.**, Singh, A. K., Dey, B., & Sharma, U. InfoGenie: A Chatbot that Enhances Information Extraction Using Modern Natural Language Processing Techniques. In *Proceedings of the 1st International Conference on Cognitive & Cloud Computing (IC3Com)*, 2024.
6. **Lahkar, M. P.**, Gogoi, A., & Choudhury, P. AsCul: Annotated Dataset and a Deep Learning Based Framework for Assamese Cultural Object Detection. In *IEEE International Conference on Intelligent Systems, Advanced Computing and Communication (ISACC)*, 2023.

Book Chapters

1. Sarmah, P., **Lahkar, M. P.**, Kalita, S., & Sharma, U. Pioneering Rule-Based Relation Extraction for Assamese: A Case Study on Biographical Texts. In *Pattern Recognition and Machine Intelligence (PReMI)*, Springer Lecture Notes in Computer Science (LNCS), 2026. (Scopus)
2. Kumar, S., Daimary, S. S., **Lahkar, M. P.**, Sharma, U., Sinha, S. K., & Basumatary, N. Exploring Word Prediction in Bodo: A Step Toward Low-Resource Language Processing. In *International Conference on Intelligent Computing and Technologies*, Springer, 2024.
3. **Lahkar, M. P.**, et al. FurMatch: A Smart System for Personalized Dog Breed Recommendations. To appear in *Springer Lecture Notes in Computer Science (LNCS)*. (Accepted)

Peer-Reviewing Experience

- Reviewed approximately **13 research manuscripts** for *Multimedia Tools and Applications*, Springer, a **Q1, SCIE-indexed journal**.