

Deepon Halder

Curriculum Vitae

IEST Shibpur

India

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🌐 [Personal Website](#)

🐙 [Github](#) [in LinkedIn](#) [G Scholar](#)

Education

2023 – **B.Tech**, *Indian Institute of Engineering Science and Technology, Shibpur*.
Present CGPA: 8.89

Experience

- May 2026 – **Technical Intern**, *Cisco*.
Present
 - Working on writing automation systems for BSPs for Cisco Routers
- Jan 2025 – **Research Intern**, *AI4Bharat, IIT Madras*, Advisor: Dr. Raj Dabre.
Apr 2026
 - Working on multilingual NLP, transliteration, and low-resource language modeling.
 - Contributed to multiple accepted papers in ACL, EACL, and ICLR workshops.
- Dec 2024 – **Research Intern**, *IIT Bhubaneswar*.
Jan 2025
 - Worked on machine learning and deep learning based research problems.
- Jul 2024 – **Research Apprentice**, *IEST Shibpur*.
Sep 2024
 - Worked on foundational ML systems and experimentation.

Publications

- 2026 **Preferences of a Voice-First Nation: Large-Scale Pairwise Evaluation and Preference Analysis for TTS in Indian Languages**. Srijana Anand, Ashwin Sankar, Ishvinder Sethi, Aaditya Pareek, Kartik Rajput, Gaurav Yadav, Nikhil Narasimhan, Adish Pandya, **Deepon Halder**, Mohammed Safi Ur Rahman Khan, Praveen S V, Shobhit Banga, Mitesh M Khapra *Preprint*. arXiv.
- 2026 **Top-b: Entropic Regulation of Relative Probability Bands in Autoregressive Language Processes**. **Deepon Halder**, Raj Dabre. *Preprint*. arXiv.
- 2026 **Multilingual TinyStories: A Synthetic Combinatorial Corpus of Indic Children's Stories for Training Small Language Models**. **Deepon Halder**, Angira Mukherjee. *Preprint*. arXiv.
- 2026 **Not All Time Is Gregorian: Evaluating LLMs on Cultural Calendar Systems**. **Deepon Halder**, Adish Pandya, Raj Dabre. *ICBINB Workshop @ ICLR 2026*.
- 2026 **Scripts Through Time: A Survey of the Evolving Role of Transliteration in NLP**. Thanmay Jayakumar, **Deepon Halder**, Raj Dabre. *ACL Findings 2026*. Project Page.
- 2025 **RiddleBench: A New Generative Reasoning Benchmark for LLMs**. **Deepon Halder**, Alan Saji, Thanmay Jayakumar, Raj Dabre, Ratish Puduppully, Anoop Kunchukuttan. *EACL Findings 2026*. arXiv, Project, Dataset.
- 2025 **CycleDistill: Bootstrapping Machine Translation using LLMs with Cyclical Distillation**. **Deepon Halder**, Thanmay Jayakumar, Raj Dabre. *MELT Workshop @ COLM / WAT @ IJCNLP-AAACL 2025*. arXiv, Project, Code.
- 2025 **A Comprehensive Survey of Data Poisoning Attacks**. **Deepon Halder**, Anshika Gupta, Diya Ghosh, Hafizur Rehman. *Survey Paper*. Paper.

Projects

- papercode** A platform dedicated to implementing and sharing research papers as code, focusing on deep learning and LLMs to bridge the gap between theory and practical systems. 4000+ users with 20,000+ submissions.
- neugrad** Built a lightweight autograd engine in Python and NumPy with tensor operations, automatic differentiation, and backpropagation, inspired by PyTorch.

Achievements

- 2025 Winner – Cody Challenge (20/20 problems solved)
- 2025 Winner – Braindead Hackathon
- 2025 1st Runner Up – MCode Metallum
- 2025 1st Runner Up – Startup Challenge @ IEST
- 2025 2nd Runner Up – Hacknovare Instruo
- 2021 KVPY SA – Extra Merit List
- JBNSTS Scholar – Top 250 in West Bengal

Technical Skills

- Languages Python, C, C++
- Frameworks PyTorch, TensorFlow, NumPy, Pandas
- Databases MySQL
- Tools Git, Linux, MATLAB
- Core CS Data Structures and Algorithms, OOP, DBMS, Operating Systems, Computer Architecture
- Mathematics Linear Algebra, Probability & Statistics, Calculus, Number Theory
- Domains Machine Learning, Deep Learning, NLP, LLMs

Academic Service

Served as an emergency reviewer for EMNLP 2025, COLM 2025, and ACL 2026, contributing to the evaluation of research in NLP and machine learning.

Talks & Outreach

- 2025 **WAT 2025 Presentation of CycleDistill**. Watch the session.
- 2025 **Lossfunk Talk: Why LLMs Think in English and How It Affects Their Performance**. Link coming soon.
- 2025 **Down the Research Rabbit Hole: From Curiosity to Contribution (RaSoR IIT Madras)**. Watch the session.
- 2025 **Podcast with Siddhanth (IIT BHU)**. Listen on YouTube.
- 2025 **GDSC NIT Jalandhar Talk**. Twitter Space Recording.