

RISHABH RANJAN

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EDUCATION

Doctor of Philosophy (Ph.D.) in Computer Science Stanford University, co-advised by Prof. Jure Leskovec and Prof. Carlos Guestrin <u>Relevant courses:</u> <i>Language Models from Scratch, Mining Massive Datasets, Machine Learning with Graphs</i>	2023 – present
Visiting Research Scholar Carnegie Mellon University, hosted by Prof. Zachary Lipton <u>Relevant courses:</u> <i>Philosophical Foundations of Machine Intelligence</i>	2022 – 2023
Bachelor of Technology (B.Tech.) in Computer Science and Engineering Indian Institute of Technology Delhi <u>Relevant courses:</u> <i>Deep Learning, Natural Language Processing, Machine Learning, Artificial Intelligence, Data Mining, Linear Algebra, Probability and Stochastic Processes, Calculus, Language and Writing Skill</i>	2018 – 2022 CGPA 9.90/10, Institute Rank 1

AWARDS

• Amazon Core AI Fellowship for 2 academic years, by nomination.	2025
• Certificate of Achievement for a top leaderboard position in the course “Language Models from Scratch”.	2024
• School of Engineering Fellowship , awarded to select first-year PhD students at Stanford.	2023
• President’s Gold Medal for highest CGPA in the graduating batch at IIT Delhi.	2022
• Best Undergraduate Thesis Award in Computer Science at IIT Delhi.	2022
• All India Rank 154 in Joint Entrance Examination (Advanced) among 200,000+ qualified candidates.	2018
• Certificate of Merit for excellent performance in the Indian National Mathematical Olympiad .	2017

PUBLICATIONS

(* denotes equal contribution)

1. Vignesh Kothapalli, Rishabh Ranjan, Valter Hudovernik, Vijay Prakash Dwivedi, Johannes Hoffart, Carlos Guestrin, Jure Leskovec. **PluRel: Synthetic Data unlocks Scaling Laws for Relational Foundation Models**. Under review (2026). ([paper](#))
2. Justin Gu, Rishabh Ranjan, Charilaos Kanatsoulis, Haiming Tang, Martin Jurkovic, Valter Hudovernik, Mark Znidar, Pranshu Chaturvedi, Parth Shroff, Fengyu Li, Jure Leskovec. **RelBench v2: A Large-Scale Benchmark and Repository for Relational Data**. Under review (2026). ([paper](#))
3. Rishabh Ranjan, Valter Hudovernik, Mark Znidar, Charilaos Kanatsoulis, Roshan Reddy Upendra, Mahmoud Mohammadi, Joe Meyer, Tom Palczewski, Carlos Guestrin, Jure Leskovec. **Relational Transformer: Toward Zero-Shot Foundation Models for Relational Data**. International Conference on Learning Representations (ICLR) 2026. Early version: *AI for Tabular Data (AI4TD) Workshop at Neural Information Processing Systems (NeurIPS) 2025* (awarded **Oral**). ([paper](#))
4. Rishabh Ranjan, Saurabh Garg, Mrigank Raman, Carlos Guestrin, Zachary Lipton. **Post-Hoc Reversal: Are We Selecting Models Prematurely?** Neural Information Processing Systems (NeurIPS) 2024. ([paper](#))
5. Rishabh Ranjan*, Joshua Robinson*, Weihua Hu*, Kexin Huang*, Jiaqi Han, Alejandro Dobles, Matthias Fey, Jan E. Lenssen, Yiwen Yuan, Zecheng Zhang, Xinwei He, Jure Leskovec. **RelBench: A Benchmark for Deep Learning on Relational Databases**. Neural Information Processing Systems (NeurIPS) 2024. ([paper](#))
6. Matthias Fey*, Weihua Hu*, Kexin Huang*, Jan Eric Lenssen*, Rishabh Ranjan*, Joshua Robinson*, Rex Ying, Jiaxuan You, and Jure Leskovec. **Position: Relational Deep Learning - Graph Representation Learning on Relational Databases**. International Conference on Machine Learning (ICML) 2024. ([paper](#))
7. Yatin Nandwani*, Rishabh Ranjan*, Mausam, and Parag Singla. **A solver-free framework for scalable learning in neural ILP architectures**. Neural Information Processing Systems (NeurIPS) 2022. ([paper](#))
8. Rishabh Ranjan, Siddharth Grover, Sourav Medya, Venkatesan Chakaravarthy, Yogish Sabharwal, and Sayan Ranu. **GREED: A neural framework for learning graph distance functions**. Neural Information Processing Systems (NeurIPS) 2022. ([paper](#))
9. Rishabh Ranjan, Ishita Agrawal, and Subodh Sharma. **Exploiting epochs and symmetries in analysing MPI programs**. International Conference on Automated Software Engineering (ASE) 2022. ([paper](#))

ACADEMIC SERVICE

Reviewer for ICLR 2026, ICML 2025, NeurIPS 2023, WSDM 2023.
