

# RISHABH RANJAN

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## EDUCATION

<b>Doctor of Philosophy (Ph.D.) in Computer Science</b> 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 CGPA 3.99/4
<b>Visiting Research Scholar</b> Carnegie Mellon University, hosted by Prof. Zachary Lipton <u>Relevant courses:</u> <i>Philosophical Foundations of Machine Intelligence</i>	2022 – 2023
<b>Bachelor of Technology (B.Tech.) in Computer Science and Engineering</b> 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, <b>Institute Rank 1</b>

## AWARDS

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

## PUBLICATIONS

(\* denotes equal contribution)

1. 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**. Under review. Early version: *AI for Tabular Data (AI4TD) Workshop at Neural Information Processing Systems (NeurIPS) 2025* (awarded **Oral**).
2. Rishabh Ranjan, Saurabh Garg, Mrigank Raman, Carlos Guestrin, Zachary Lipton. **Post-Hoc Reversal: Are We Selecting Models Prematurely?** *Neural Information Processing Systems (NeurIPS) 2024*.
3. 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*.
4. 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*.
5. 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*.
6. 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*.
7. Rishabh Ranjan, Ishita Agrawal, and Subodh Sharma. **Exploiting epochs and symmetries in analysing MPI programs**. *International Conference on Automated Software Engineering (ASE) 2022*.

## INTERNSHIPS

<b>Architecture for Foundation Models on Relational Data</b> SAP Labs Inc., Palo Alto	Jun 2025 – Sep 2025
<b>Semantic Search in SmartTV via Natural Language Processing</b> Samsung Electronics Co. Ltd., South Korea	Jun 2021 – Aug 2021

## ACADEMIC SERVICE

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

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