

Ayan Chatterjee

Short Bio

I am currently a fourth-year Ph.D. student at the Network Science Institute (NetSI) of Northeastern University, Boston. My research interests primarily lie in the field of graph machine learning, with a specific focus on areas such as link prediction, graph embeddings, and the application of network science in the context of biological networks. Prior to my time at NetSI, I gained valuable experience while working at NVIDIA Graphics, where I contributed to the development of various GPU architectures, including Turing, Ampere, and Hopper. These advancements in GPU technology have played a significant role in fueling the ongoing revolution in artificial intelligence.

Contact Information

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Education

Northeastern University (2019 - Present)
Ph.D. Student, Network Science Institute
Advisor: Prof. Tina Eliassi-Rad
Research Interests: Graph Machine Learning, Link Prediction, Interpretability, XAI, and Network Science.

Publications

Ayan Chatterjee, Robin Walters, Giulia Menichetti, Tina Eliassi-Rad. 2023. Disentangling Node Attributes from Graph Topology for Improved Generalizability in Link Prediction. Under review to NeurIPS 2023. Pre-print: <https://arxiv.org/abs/2307.08877>.

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Zohair Shafi, **Ayan Chatterjee**, Tina Eliassi-Rad. 2023. Explaining Node Embeddings. In preparation for Applied Network Science.

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Tünde Pacza, Mayara L. Martins, Maha Rockaya, Katalin Müller, **Ayan Chatterjee**, Albert-László Barabási & József Baranyi. MilkyBase, a database of human milk composition as a function of maternal-, infant- and measurement conditions. Sci Data 9, 557 (2022). <https://doi.org/10.1038/s41597-022-01663-1>.

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