Mano Vikash Janardhanan

Curriculum Vitae

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Education

2014-Present **Ph.D., Department of Mathematics, Statistics, and Computer Science**, *(in progress), University of Illinois at Chicago*,
Advisor: Prof. Lev Reyzin, Majoring in Mathematical Computer Science.

2009-2014 **Integrated MS, Mathematics**, *Indian Institute of Science Education and Research*, Thiruvananthapuram, Kerala.

Research Interests

I am currently exploring research in Theoretical Computer Science for my Ph.D. My areas of interest include machine learning, data science and algorithms.

Experience

Research

2016 May-Present **PhD Thesis Research**, University of Illinois at Chicago.
- Currently working on graph learning in a query-based model.
- Advised by Prof. Lev Reyzin

2015 August-2016 May **Independent Study**, University of Illinois at Chicago.
- In this project, I worked on problems in learning theory applied to social networks.
- Advised by Prof. Lev Reyzin.

2013 August-2014 May **MS Thesis Research**, IISER, Thiruvananthapuram.
- *Topics in Ramsey Theory*
- In this project, I used the probabilistic method to find lower bounds for some Ramsey-type functions.
- Advised by Prof. Sujith Vijay.

Teaching

2014- Present **Teaching Assistant and Lecturer**, University of Illinois at Chicago.
- Led discussion sections for undergraduate courses. (MCS 275 and MATH 090, 180, 210)
- SEW Lecturer during summer 2015.

Awards and Honours

2013 CSIR-NET (national level exam for PhD candidates in India) - 2nd rank

2013 Shyama Prasad Mukherjee Fellowship

2009 INSPIRE Scholarship for Higher Education

Computer Skills

I have worked in many programming languages including Mathematica, Matlab, Python, C and C++. I am also good in typesetting languages like LaTeX.

Publications

M. V. Janardhanan Y. Huang and L. Reyzin. Network constuction with connectivity constraints. *In Preparation*, 2016.

M. Vikash Janardhanan. Topics in ramsey theory [arxiv e-prints (1404.7348)]. Master's thesis, Indian Institute of Science Education and Research, Thiruvananthapuram, April 2014.

M. Vikash Janardhanan and S. Vijay. Ramsey functions for generalized progressions. *Integers*, 15, 2015.