

Arindam Khan

CONTACT INFORMATION	Apt A-1, 1033 Tumlin St. NW Atlanta Georgia 30318, USA	<i>Phone:</i> (+1)-404-428-1704 <i>E-mail:</i> akhan67@gatech.edu <i>Webpage:</i> http://www.cc.gatech.edu/~akhan67/
RESEARCH INTERESTS	Theoretical Computer Science and Design and Analysis of Algorithms. Specially, Approximation Algorithms, Combinatorial Optimization, Geometric and Graph Algorithms and Algorithmic Game Theory.	
EDUCATION	Georgia Institute of Technology , Atlanta, Georgia, USA. <ul style="list-style-type: none">• PhD in Computer Science (Algorithms, Combinatorics and Optimization), Advisor: Prasad Tetali, 2010-2015(expected). Indian Institute of Technology , Kharagpur, West Bengal, India. <ul style="list-style-type: none">• B.Tech(Hons.) in Computer Science and Engineering with M.Tech in Computer and Information Technology (Dual Degree), 2004-2009.	
RESEARCH EXPERIENCE	Georgia Institute of Technology , Atlanta, USA. <i>Graduate Research and Teaching Assistant</i> Aug '10 to Present TU Eindhoven , Netherlands. <i>Visiting Student Researcher</i> [Host: Nikhil Bansal] Sept '14 to Oct '14 Microsoft Research , Redmond. <i>Research Intern in Theory Group</i> [Mentor: Mohit Singh] May '14 to Aug'14 University of California , Berkeley, CA. <i>Visiting Student Researcher</i> [Host: Prasad Raghavendra] Sept '13 to Dec '13 Microsoft Research , Silicon Valley. <i>Research Intern in Search Labs</i> May '13 to Aug '13 IBM Research , New Delhi, India. <i>Blue Scholar in Analytics & Optimization Group</i> June '09 to July '10 Korea University , Seoul, South Korea. <i>Undergraduate Summer Intern</i> May '08 to July '08 University of Illinois , Urbana-Champaign, IL. <i>Undergraduate Summer Intern</i> May '07 to July '07	
HONORS AND AWARDS	<ul style="list-style-type: none">• SIAM Student Travel Award for SODA 2014.• Georgia Tech ARC Fellowship, Fall 2012.• Georgia Tech ACO Fellowship, Fall 2010.• CETL/BP Outstanding Teaching Assistant Award 2013 Finalist, Georgia Tech. (One nominee from each school).• IBM Blue Scholarship, 2009.	

- Nominated for *Innovative Students Project Award for Masters level projects*, Indian National Academy of Engineering, 2009.
- Jagadis Bose National Science Talent Search Scholarship, 2005.
- State-level topper in Achievement cum Diagnostic Test in Mathematics(ADTM), organized by Center for Pedagogical Studies in Mathematics, India(CPSM), 2002.

PAPERS IN SUBMISSION/ MANUSCRIPT

- *On Weighted Bipartite Edge Coloring*.
Arindam Khan, Mohit Singh.
- *Improved Approximation for Two Dimensional Vector Packing*.
Nikhil Bansal, Marek Elias and Arindam Khan.
- *A Geometric Approach to Diverse Group Formation*.
Sreenivas Gollapudi, Arindam Khan, Janardhan Kulkarni and Kunal Talwar.

PUBLICATIONS

- *An Improved Approximation Algorithm for Two-Dimensional Bin Packing*.
Nikhil Bansal, Arindam Khan.
ACM-SIAM Symposium on Discrete Algorithms (SODA), 2014.
- *On Mimicking Networks Representing Minimum Terminal Cuts*.
Arindam Khan, Prasad Raghavendra.
Information Processing Letters Volume 114, Issue 7, July 2014, Pages 365-371.
- *Role of Conformity in Opinion Dynamics in Social Networks*.
Abhimanyu Das, Sreenivas Gollapudi, Arindam Khan and Renato Paes Leme.
ACM Conference on Online Social Networks(COSN), 2014.
- *Diffuse Reflection Diameter and Radius for Convex Quadrilateralizable Polygons*.
Arindam Khan, Sudebkumar Pal, Mridul Aanjaneya, Arijit Bishnu, Subhas Nandy.
Discrete Applied Mathematics 161(10-11): 1496-1505 (2013).
- *Discovering Bucket Orders from Data*.
Sreyash Kenkre, Arindam Khan and Vinayaka Pandit.
SIAM International Conference on Data Mining (SDM), 2011.
- *Attribute-based messaging: Access control and confidentiality*.
Rakesh Bobba, Omid Fatemieh, Fariba Khan, Arindam Khan, Carl A.Gunter, Himanshu Khurana and Manoj Prabhakaran.
ACM Transactions on Information and System Security (TISSEC), Dec. 2010.
- *A Study on Detecting Malcodes Distribution Sites*,
DongWon Seo, Arindam Khan and Heejo Lee.
Korean Information Processing Society (KIPS) 30th Fall Conference, Vol. 15, No. 2, pp. 1425-1428, Nov. 14. 2008

TECHNICAL SKILLS Programming in C, C++, C#, Java, PHP, SQL, Gurobi IP/LP solver.

REFERENCES

1. **Prasad Tetali**.
Professor, Georgia Institute of Technology, Atlanta
Email: tetali@math.gatech.edu
2. **Nikhil Bansal**.
Professor, TU Eindhoven, Netherlands.
Email: n.bansal@tue.nl
3. **Prasad Raghavendra**.
Assistant Professor, EECS, University of California, Berkeley.
Email: prasad@cs.berkeley.edu
4. **Mohit Singh**.
Researcher, Microsoft Research, Redmond, USA.
Email: mohits@microsoft.com