

## Deependra Singh

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EDUCATION	<b>University of Pennsylvania</b> Ph.D. in Computer & Information Science (GPA: 4.0/4.0)	Philadelphia, PA Aug 2017 – Present
	<b>Indian Institute of Technology Delhi</b> B.Tech. in Computer Science & Engineering	New Delhi, India Jul 2010 – May 2014
INTERESTS	Algebra, Theory of Computation	
SELECTED COURSEWORK	<b>University of Pennsylvania</b> <ul style="list-style-type: none"><li>• MATH-602: graduate algebra; MATH-508: advanced analysis</li><li>• CIS-511: theory of computation; CIS-502: analysis of algorithms</li></ul>	
PUBLICATIONS	<b>Published</b> <ul style="list-style-type: none"><li>• <b>Deependra Singh</b>, Vinay Deolalikar: “Automating Relevance Banding in e-Commerce Search using Click Model”. Workshop on Advances in High Dimensional Big data, IEEE Big data 2018.</li><li>• Neeraj Pradhan, Vinay Deolalikar, <b>Deependra Singh</b>: “Islands of Interest: Mining Concentrations of User Search Intent over e-Commerce Product Categories”. Workshop on Big Social Media Data Management and Analysis, IEEE Big Data 2018.</li></ul>	
WORK EXPERIENCE	<b>Groupon</b> Data Scientist, <i>Search &amp; Data Mining</i> Responsible for enhancing and integrating query-category Click Model into Groupon search engine, effectively moving search relevance banding from manual to machine learnt, and registering millions of dollars of revenue increase.	Palo Alto, CA Oct 2015 – June 2017
	<b>Groupon</b> Data Scientist, <i>Data Science</i> Involved in building machine learnt models for demand forecasting, and designing user behavior studies using statistical methods to identify actionable business insights for several markets.	Chennai, India Jun 2014 – Sep 2015
OTHERS	<ul style="list-style-type: none"><li>• Ph.D. fellowship by Department of CIS, University of Pennsylvania. [2017–Present]</li><li>• Member of the Program Committee for the Application Track of DSAA 2017. [2017]</li><li>• Awarded Merit-cum-Means scholarship by the Govt. of India. [2010–2014]</li><li>• Volunteered to teach Mathematics to underprivileged high-school students. [2014]</li></ul>	