Mridul Kapoor

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EDUCATION			
	M.S. Computer Science	Columbia University, New York	(expected) December 2017
	B.E. Computer Engineering	Thapar University, India	July 2009 – May 2013
EXPERIENCE			
	Twitter – Search Relevance / Applie	ed Machine Learning	June 2017 – August 2017
	Software Engineer Intern		
	 Improved query understanding and query rewriting using better spell correction and query-entity 		
	detection across tweet and user search.		
	Instamojo		October 2015 – June 2016
	Software Engineer		Bangalore, India
	Built Instamojo's Peer-to-Peer Payments system. Responsible for architecture and development, security,		
	and risk compliance for the product. Used python, django-rest-framework, redis, postgresql.		
	Contributed to the foundations of Instamojo's microservice architecture. Dockerized the instamojo web-		
	app, and built microservices to be deployed on a Terraform managed Kubernetes cluster on AWS.		
	Microsoft – Bing.com and Cortana		July 2013 – October 2015
	Software Engineer - II Hyderabad, India		
	• Improved query-entity relevance for Bing.com's Entity Search. Built infrastructure, and authored		
	techniques for shipping incrementally better high-precision offline computed query-entity maps for		
	multiple entity segments, across global markets.		
	• Improved results for trending entities – created pipelines to identify trending entities for a given time		
	window through spiking word-ngrams derived from user queries.		
	LinkedIn – SlideShare		January 2012 – July 2012 Delhi, India
	Software Engineer Internship	Ilaborativa Eiltoring based Peromman	
	 Implemented and Scaled up a Collaborative Filtering based Recommender System. Briefly worked on a ruby prototype as a proof of concept, and then scaled up later using the Apache Mahout project. 		
	 Created and deployed web apps for status reporting, and measuring historical site performance metrics. 		
ACADEMIC RESEARCH EXPERIENCE			
	Columbia University Graduate Student Researcher		New York, NY
	Prof. David Blei's Lab: Built and deployed early versions of a recommender service for academic articles		
	 building upon using user/item exposure as a latent variable to improve collaborative filtering. Improved 		
	training times manifold, leveraging partial updates to parameters.		
		P and Machine Learning for contextua	Lentity linking at the History Lab
		case-less entity extraction (some work	
HONORS AND ACHIEVEMENTS			
ACM ICPC Asia Region Finalist, IIT Kanpur Site for two successive years – 2011 and 2012.			
	Awarded the Columbia University CS Department's Course Assistant Fellowship with a tuition waiver for		
	performance as a course assistan	•	

- Awarded merit scholarship in the form of a full tuition waiver for all four years of undergraduate study.
- Runner Up at the Instamojo Hackathon, 2015 developed a prototype product metadata predictor.
- Second Runner-up at the SlideShare ProHackday 2011 built a Google Docs–SlideShare integration.