

Mohit Sharma

PERSONAL DATA

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EDUCATION

CURRENT EXPECTED 12/2017	Ph.D. Candidate in COMPUTER SCIENCE, University of Minnesota , Minneapolis Thesis topic: "Preference modeling and accuracy in recommender systems" Advisor: Prof. George KARYPIS GPA: 3.9/4.0
2016	Masters Degree in COMPUTER SCIENCE, University of Minnesota , Minneapolis GPA: 3.9/4.0
JUNE 2009	Bachelor of Engineering in INFORMATION TECHNOLOGY, Delhi College of Engineering , Delhi GRADE: 76/100

WORK EXPERIENCE

CURRENT JAN 2015	Graduate Research Assistant at UNIVERSITY OF MINNESOTA, MN Research towards Ph.D. thesis.
JUNE-NOV 2014	Research Intern at SAMSUNG RESEARCH AMERICA, CA <i>Recommender Systems</i> Developed large scale <i>recommender sytem</i> for Smart TV using <i>SPARK</i> , <i>HADOOP</i> . Designed algorithms for item cold-start Top- <i>n</i> recommendations. (<i>Machine learning</i>)
SUMMER 2013	Research Intern at TECHNICOLOR LABS, Palo Alto, CA Developed a web-based prototype (<i>Python</i> , <i>MongoDB</i>) to learn users' preferences in <i>recommender systems</i> using <i>multi-arm bandit</i> algorithms. (<i>Machine Learning</i>)
JULY 2009 - DEC 2011	Software Development Engineer at CITRIX R&D INDIA PRIVATE LIMITED, Bangalore Worked on development of <i>Citrix Receiver</i> app for <i>Blackberry</i> , <i>Android</i> and <i>HTML5</i> platforms (<i>Java</i> , <i>Javascript</i>).
SUMMER 2008 DEC 2007 - FEB 2008	Engineering Intern at GOOGLE INDIA PRIVATE LIMITED, India Developed a web-based Workflow Management tool hosted internally on <i>Google AppEngine</i> (<i>Python</i>). Developed initial version of tool using <i>PHP</i> , <i>MySQL</i> and <i>Javascript</i> .

PUBLICATIONS

WWW 2017	Learning from sets of items in recommender systems (under-review)
PAKDD 2017	Matrix factorization and item recommendations (under-review)
BIG DATA NOVATICA 2016	Big Data and Recommender Systems
SDM 2015	Feature-based factorized Bilinear Similarity Model for Cold-Start Top-n Item Recommendation
IEEE ICNS 2011	A new approach to Dynamic Network Routing using Omicron Ant Colony Algorithm

GRADUATE PROJECTS

Recommender System with Implicit Feedback using Low-Rank Matrix Factorization: Used implicit feedback with low rank matrix factorization technique to improve recommendations in massively multiplayer online games.

Matrix completion using crowdsourcing: Learn missing values in ratings matrix using crowdsourcing and evaluate recommendation results.

Optimization techniques for routing in dynamic networks: Implemented Alternating Direction Method of Multipliers to minimize flow costs to obtain the best path in routing.