

Abhinav Mukund Kulkarni

3900 30C, Parkview Lane, Irvine, CA, 92612, United States; 512 658 7456; abhinavkulkarni@gmail.com; WWW

EDUCATION	University of California, Irvine 2011 – 2013 (Expected) Master of Science, Computer Science, 3.77/4.0		
	National Institute of Technology, Tiruchirapally, India 2005 – 2009 Bachelor of Science, Computer Science, 8.34/10.0		
GRADUATE COURSEWORK	Machine Learning Statistical Computing Bayesian Statistics Data Structures	Probabilistic Learning Intermediate Statistics I & II Information Retrieval Computer Architecture	Probabilistic Graphical Models Statistical Methodology I & II Principles of Data Management
RESEARCH WORK	Master's Thesis: Focus on Probabilistic Graphical Models UC Irvine <i>Advisor: Prof. Alexander Ihler</i> April 2012 – Current Currently working on board evaluation strategies for the game of Go using probabilistic graphical models.		
	Analysis of Open Source Java Projects UC, Irvine <i>Graduate Student Researcher, Prof. Crista Lopes's Research Grant</i> June - December 2012 https://github.com/abhinavkulkarni/topic-modelling Topic modelling (LDA) analysis of open source Java projects to characterize their software development processes. Using LDA we identified cohesive areas of functionalities such as logging or network I/O in the source code. We drew project-wide statistics such as cross-cutting of these functionalities to characterize the development of a project.		
WORK EXPERIENCE	Microsoft Corporation, Search Technology Center Hyderabad, India <i>Software Development Engineer</i> October 2009 – August 2011 The focus was on improving relevance of algorithmic search overall as well as in specific segments by employing statistical methods to mine information from user click patterns from Internet Explorer and Microsoft Toolbar user click logs. My work on relevance of local search queries (containing locations) and offline computation of geo-specific popularity of websites resulted in new features incorporated in Bing search engine.		
PROJECT WORK	Chemistry Corpus Analysis Winter 2012, UC Irvine We worked on the hypothesis that Chemistry is more closed in terms of collaboration among researchers than other Physical Sciences such as Physics and Mathematics. We analysed the graph of publication authors from reputed journals induced by co-authorship and affiliations and contrasted Chemistry with other Physical Sciences.		
	Heritage Provider Network Health Prize Fall 2011, UC Irvine Participated in HHP Prize competition hosted by Kaggle, a predictive modeling and analytics platform. Implemented machine learning algorithms to identify patients admitted to a hospital within next year using historical claims, drug and lab data.		
SKILLS	Languages: C, C++, Java (Intermediate), R, MATLAB Packages/Tools: Eclipse, Visual Studio Technologies: Apache Hadoop (Intermediate)		
AWARDS	Team mentioned in the special meritorious list of ACM ICPC 2008, South Asia Region.		
LEADERSHIP	Marketing Head for Fine Arts Society of NIT Tiruchirapalli. Event Manager for CSurf '09, the online programming contest conducted in Vortex '09, the annual departmental symposium of CSE department of NIT Tiruchirapalli.		
EXTRA CURRICULAR	Winner of gold medal in swimming contests held in sports events of NIT Tiruchirapalli. Community service through National Service Scheme (NSS) involving forestation.		