

Abhinav Mukund Kulkarni

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EDUCATION	University of California, Irvine Master of Science, Computer Science, 3.76/4.0 National Institute of Technology, Tiruchirapally, India Bachelor of Science, Computer Science, 8.34/10.0			2011 – 2013 (Expected) 2005 – 2009
GRADUATE COURSEWORK	Machine Learning Statistical Computing Information Retrieval	Probabilistic Learning Intermediate Statistics I & II Data Structures Computer Architecture	Probabilistic Graphical Models Statistical Methodology I & II Principles of Data Management	
RESEARCH WORK	Master's Thesis: Focus on Probabilistic Graphical Models <i>Advisor: Prof. Alexander Ihler</i> Currently working on board evaluation strategies for the game of Go using probabilistic graphical models. Complexity Evolution of Software Projects <i>Graduate Student Researcher, Prof. Crista Lopes's Research Grant</i> Study of evolution of open-source Java projects over time by identifying software aspects and concerns as latent topics using probabilistic topic modelling (LDA). We studied how topic scattering across a release and source code files make-up in terms of topics change over multiple releases and identified outlying projects. Overall effort was a part of comparative study of Object and Aspect Oriented Programming paradigm.			UC Irvine April 2012 – Current June 2012 – Current
WORK EXPERIENCE	Microsoft Corporation, Search Technology Center <i>Software Development Engineer</i> 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.			Hyderabad, India October 2009 – August 2011
PROJECT WORK	Chemistry Corpus Analysis 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 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.			Winter 2012, UC Irvine Fall 2011, UC Irvine
SKILLS	Languages: C, C++, Java Packages/Tools: R, MATLAB, Eclipse, Visual Studio			
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.			