Abhinav Mukund Kulkarni

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EDUCATION	**University of California, Irvine** — 2011 - 2013 (Expected) Master of Science, Computer Science, 3.76/4.0
	National Institute of Technology, Tiruchirapally, India — 2005 - 2009 Bachelor of Science, Computer Science, 8.34/10.0
GRADUATE COURSEWORK	Machine Learning, Probabilitistic Learning, Probabilistic Graphical Models, Intermediate Statistics A & B, Statistical Methodology I & II, Statistical Computing, Information Retreival, Principles of Data Management, Data Structures, Computer Architecture
RESEARCH WORK	**Master's Thesis:** Focus on Probabilistic Graphical Models — UC Irvine *Advisor: Prof. Alexander Ihler* — April '12 - Current Currently working on board evaluation strategies for the game of Go using probabilistic graphical models.
	Complexity Evolution of Software Projcts — UC, Irvine *Graduate Student Researcher, Prof. Crista Lopes's Research Grant* June '12-Current Study of evolution of open-source Java projects over time by identifying software aspects and concerns as latent topics using probabilitstic 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 outliying projects. Overall effort was a part of comparative study of Object and Aspect Oriented Programming paradigm.
WORK EXPERIENCE	**Microsoft Corporation**, *Search Technology Center* — Hyderabad, India *Software Developement Engineer* — October '09 - August '11 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 '12, 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 '11, 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 **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.