

## Anita Krishnakumar

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Information Retrieval & Knowledge Management (IRKM) Laboratory      Phone: (831) 419-0570  
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### Summary

Proficient in areas of information retrieval, data mining and applied machine learning.  
Hands-on experience in diverse projects through graduate research and internship at Google Inc.

### Education

M.S. Computer Science (Thesis Advisor: Dr. Yi Zhang)      Expected Graduation: Jun 2008  
University of California, Santa Cruz (UCSC)      Current G.P.A: 3.88/4.0

**Master's Thesis:** Proactive personalized mobile information retrieval

B.E. Computer Science and Engineering      Jun 2002 – Jun 2006  
PSG College of Technology, Coimbatore, India      G.P.A: 3.68/4.0

**Bachelor's Dissertation:** Design and implementation of reusable user interface components

### Professional Experience

**Research Intern, Google Inc., Mountain View**      Jun 2007 – Sep 2007

Proposed a method to proactively rank emails for efficient handling of email overload.  
Applied machine learning techniques to rank emails based on email features and user behavior.  
Achieved promising results on experiments with Enron email corpus.

**Graduate Student Researcher, IRKM Lab, UCSC**      Jan 2007 – Present

Collaborating with Nokia Research on feature-rich mobile apps leveraging on user behavioral profiles.  
Designed an RSS recommender system for personalized video feeds targeting mobile phone users.  
Employed a hybrid of collaborative and content-based filtering approach for recommendation.  
Adaptive learning of user profile with explicit and implicit feedback from users.

**Engineering Intern, Sun Microsystems, Bangalore, India**      Jan 2006 – Jun 2006

Implemented custom JavaServer Pages components for handling complex user interfaces.  
Developed components based on JavaServer Faces framework in collaboration with xDesign team.  
Released as part of Project Woodstock – a Sun open-source custom component library.

**Teaching Assistant, UCSC**      Jan 2007 – Present

Courses: Information Retrieval (grad-level), Data Mining (grad-level), Business Information Systems

### Related Coursework

Information Retrieval	Machine Learning	Bayesian Statistics
Data Mining	Knowledge Services & Data Analytics	Analysis of Algorithms

### Software Skills

Languages : C/C++, Java, JavaScript, HTML, PHP, Perl, Shell, SQL  
Data Mining Tools: Weka, Lemur, Lucene, XL Miner, R Statistical Package  
Web Technologies : Greasemonkey, JavaServer Pages, JavaServer Faces, AJAX, DOM, CSS  
Platforms : Windows, Linux, Mac OS X, Solaris

### Selected Projects

“Recoo: An RSS Recommender System for YouTube RSS feeds,” UCSC IRKM, Winter 2008.  
“Learning to better manage email,” with Dr. Bill Schilit, Google Inc., Summer 2007.  
“Survey of Active Learning algorithms,” Information retrieval, Spring 2007.  
“Enriching web browsing experience with Greasemonkey scripts,” Programming languages, Fall 2007.  
“Java-based KNN classifier for text categorization,” Machine learning, Fall 2006.

### Key Accomplishments

Graduate Division Fellowship, UCSC, 2007 and KISMT Award, UCSC, 2006.  
Scholarships to attend CTIA Wireless Conference 2007, San Francisco & SIGKDD 2007, San Jose.