

HEMANT JOSHI

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OBJECTIVE

Seeking a challenging research career that bridges multi-disciplinary research issues with the real-world practice.

EDUCATION

- Currently pursuing Ph.D. at, University of Arkansas at Little Rock; Little Rock, Arkansas.
Dissertation Topic: Evolutionary Behavior of Textual Semantics
Expected Graduation: May 2007
- Bachelor of Engineering in Computer Science in, 1998, Mumbai University; Mumbai, India.

SCHOLARSHIPS, AWARDS AND SERVICES

Scholarships

- 2003-present Graduate Assistantship in Graduate Institute of Technology (GIT), Comp. Sci. Department, UALR.
- 2005-Summer School Scholarship from the International Center for Computational Logic (ICCL) Technische Universitat Dresden, Germany

Awards

- First place award recipient of Graduate Student Research Forum competition, Graduate School, UALR, Feb 2004.
- **Outstanding First Year Achievement Award**, Applied Science Department, UALR 2004
- **Outstanding doctoral student award**, Department of Computer Science, UALR, May 2006.
- **Overall 4.0 GPA award**, Applied Science Department, UALR for years 2004, 2005 and 2006
- **M. K. Testerman award** for excellence in research, UALR, May 2006.

Services

- Review coordinator and Reviewer for the 20th International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems (IEA / AIE) 2007 conference.
- Reviewer for the International joint conferences on Computer, Information and Systems Sciences, and Engineering (CISSE) 2006
- Founding Member of the Special Interest Group in Machine Learning (SIGML) UALR Computer Science Department chapter
- Vice President of Indian Student Association at UALR for the Year 2003-2004

EMPLOYMENT EXPERIENCE

[01/2003-present] Graduate Student, Department of Computer Science, UALR, Arkansas. – *Introduction to Computer Science Lab* Instructor since 2003-present

[03/2001-12/2002] Senior Analyst and architect for zionsbank.com – Member of team to study and develop online banking functionality. Specifically worked on money transfer module.

[08/2000-02/2001] Consultant analyst for freecomcorp.com – Developed a prototype synchronization client for the Intellisync server.

[03/2000-07/2000] Senior developer for client Medschool.com – Member of team that developed online course content development and rendering with integrated streaming media.

[07/1999-02/2000] Lead developer for client qool.com – Lead developer to implement backend J2EE infrastructure for the qool client communication.

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SKILLS

- DBMS MySQL, Oracle 8/9i
- Programming Languages Java, C, C++, PHP, Perl, Python
- OS Linux, Windows
- Other Matlab, CVS, Maple, Weka, libSVM, Protégé, Terrier, OpinionFinder, Lemur, Indri, autoslog-TS, MG4J

Work In progress

- **H. Joshi**, J. Bian, R. Madireddy, and C. Bayrak, *Non-Subjective User Session Creation and Analysis*.
- **H. Joshi**, C. Zhang, C. Bayrak, *DNA sequence analysis of User Query Data*.
- **H. Joshi**, R. Seker, C. Bayrak, *Disaster Ontology Management*.
- **H. Joshi**, C. Zhang, S. Ramaswamy, and C. Bayrak, *Recency Weighting Algorithm for Bug Prediction*.
- **H. Joshi**, C. Zhang, S. Ramaswamy, and C. Bayrak, *Experiments with Bug Prediction of Eclipse Data*.

Publications

- **H. Joshi**, S. Ito, S. Kanala, S. Hebbar and C. Bayrak, *Concept Set Extraction with User Session Context*, to appear in The 45th ACM Southeast Conference, Winston-Salem, NC March, 2007
- **H. Joshi**, C. Bayrak, *Automatic Dissemination of Text Information using the EBOTS system*, International joint conferences on Computer, Information and Systems Sciences, and Engineering (CISSE) 2006
- **H. Joshi**, C. Bayrak, X. Xu, *UALR at blog Track*, TREC 15th Text Retrieval Conference proceedings, NIST, 2006
- James D. Jones, **Hemant Joshi**, Umit Topaloglu, Eric Nelson: *Who Stole the Bat? Deception Detection on the Basis of Actions*, IEEE International Conference on Systems, Man, and Cybernetics (SMC 2006), Taipei, Taiwan
- James D. Jones, **Hemant Joshi**, Umit Topaloglu, Eric Nelson: *A Child's Story to Illustrate Automated Reasoning Systems Using Opportunity and History*. IEEE International conference on Intelligence and Security Informatics ISI 2006 San Diego, CA USA Vol 3975 pp 668-670
- **H. Joshi** and C. Bayrak, *Learning Contextual Behavior of Text Data*, IEEE International Conference on Machine Learning and Application (ICMLA), Dec. 15-17, 2005, Los Angeles, CA
- C. Bayrak and **H. Joshi**, *Semantic Information Evolution*, Proceedings of ANNIE 2002, Vol. 14, November 7-10, 2004, St. Louis, Missouri, pp. 519-525

Invited Talks

- **H. Joshi**, *Computational and Representational Models of Information Seeking Behavior*, Computational Linguistics and Information Processing (CLIP) colloquium series at University of Maryland, College Park on February 14, 2007 (to be presented)
- **H. Joshi**, *Using Machine Learning Methods for Supervised Learning*, Office of Science and Laboratories at U.S. Dept of Health and Human Services, Food and Drug Administration (FDA), Center for Devices and Radiological Health, on Nov. 15, 2006
- **H. Joshi**, *Introduction to concepts in Machine Learning*, at the inaugural meeting of Special Interest Group on Machine Learning (SIGML), UALR chapter on Oct 17, 2006

Technical Papers

- **H. Joshi**, C. Bayrak, X. Xu, *Matrix Dimensionality Reduction for LSI using Spherical K-means*, # UALR05-01
- **H. Joshi**, X. Xu, *Using Active Learning with Integrated Feature Selection*, # UALR06-02