

Ramanathan Narayanan

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Objective

Seeking a challenging position that utilizes my skills, abilities and experience in the field of Computer Science.

Education

Ph.D., Dept. of EECS, Northwestern University, 2005-Present

- Research Interests: Data Mining, Text Mining

B.Tech., Computer Science and Engineering, Indian Institute of Technology (Kharagpur), 2001-2005

- Thesis Topic: Indexing High-Dimensional Data

Industry Experience

A9 (Amazon), Palo Alto, CA

Intern, Search Analytics

June-Sept 2009

- Analyzed query traffic patterns and developed an algorithm to find interesting n-grams within search queries.

Google, Mountain View, California

Intern, Google Maps

June-Sept 2007

- Developed strategies to ensure validity of user-edits on Google maps.

IBM Research, New Delhi, India

Research Intern, Database group

May-Aug 2004

- Developed a prototype of a privacy preserving personalized browser.

Chennai Mathematical Institute, New Delhi, India

Intern

May-Aug 2003

Technical Skills

Programming: C, C++, Perl, Python, SQL, Hadoop

Softwares: Clementine, Weka, libsvm, Svm-light

Course Work

Advanced Algorithms, Distributed Systems, Algorithms for VLSI-CAD, Computational Complexity, Advanced Data mining, Statistics for Bioinformatics, Advanced Computer Architecture, Computational Complexity, Engineering Entrepreneurship, Semantic Web Search, Social Network Mining

Selected Publications

1. R.Narayanan, B.Liu and A.Choudhary. "Sentiment Analysis of Conditional Sentences". In EMNLP 2009.
2. R.Narayanan, S.Misra, S.Lin and A.Choudhary. "Mining Protein Interactions from Text using Convolution Kernels". In PAKDD 2009(AIBDM).
3. S.Pati, R.Narayanan, G.Memik, A.Choudhary and J.Zambreno. Design and Implementation of an FPGA Architecture for High-Speed Network Feature Extraction. In IEEE ICFPT 2007.
4. R.Narayanan, D.Honbo, J.Zambreno, G.Memik and A.Choudhary. An FPGA Implementation of Decision Tree Classification. In IEEE DATE 2007.
5. R.Narayanan, B.Ozisikyilmaz, J.Pisharath, J.Zambreno, G.Memik, and A.Choudhary. MineBench: A Benchmark Suite for Data Mining Workloads. In IEEE IISWC 2006.

Honors and Awards

Several publications in peer-reviewed academic conferences and journals.

Awarded Golden Jubilee Fellowship(2001) by IIT Kharagpur Alumni Foundation.

Ranked 80 amongst 200,000 candidates appearing for the IIT-Joint Entrance Examination (2001).

Ranked among the top 10 teams in the KDD Cup 2008 Data mining competition.