

VIDHYA GOVINDARAJU

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EDUCATION

University of Wisconsin Madison, Master of Science in Computer Science (2014(expected)) ***CourseWork***

- Computer Science: Data Models and Languages, Machine Learning, Advanced Machine Learning, Advanced Bioinformatics, Distributed Systems(Fall 2013), Topics in Databases (Fall 2013)

Birla Institute of Technology and Science, M.Sc(Tech) Information Systems, M.Sc(Hons) Biological Sciences (2009)

Selected CourseWork

- Computer Science: Data Structures and Algorithms, Computer Organization and Architecture, Database Management Systems, Operating Systems, Software Engineering
- Biological Sciences: Introduction to Bioinformatics, Cell Biology, Genetics, Genetic Engineering

WORK HISTORY

Prof. Chris Re's Lab, Department of Computer Science, University of Wisconsin Madison (Aug 2012- till date)

Graduate Research Assisstant

- GeoDeepDive (Fall 2012-Spring 2013) The aim is to extract dark data hidden in text, tables and figures of geology journal articles and websites
- Columbus (Fall 2013) - Scalable framework to perform exploratory feature selection.

Oracle (June 2013- Aug 2013)

Intern

- I worked with the Solaris Revenue Product Engineering Team.

HP Labs, India (Aug 2009- June 2012)

Research Consultant

- My role at HP Labs was to find solution and prototype solutions to new problems and participate actively in brain storming new ideas
- I worked on various projects like VideoBook (augmenting text book with videos), Autopoint (automatically creating power points from text), Mining Questions from the Web, Video Question-Answering, Personalized Video (personalizing the video search experience)
- Our solution - VideoBook is the winner of Wall Street Journal's Innovation of the Year Award in Education category

HP Labs, India (July 2008- July 2009)

Intern

- My internship project at HP Labs was on Similar Document Search (finding documents similar to the input document) and Personalized Video Search.

Ground testing and Simulation Lab of Aircraft Research and Design Centre at Hindustan Aeronautics Limited, Bangalore (May 2006- July 2006)

Intern

- My internship project was on developing a software for flight test data analysis.

PUBLICATIONS

- GeoDeepDive: Statistical Inference using Familiar Data-Processing Languages, Zhang, Ce; Govindaraju, Vidhya; Borchardt, Jackson; Foltz, Tim; Re, Christopher; Peters, Shanan; (DEMO) SIGMOD 2013

- Understanding tables in context using standard NLP toolkits, Govindaraju Vidhya; Zhang Ce; Re Christopher, Proceedings of the 51st Annual Meeting of the Association for Computational Linguistics, 2013.
- Similar Document Search and Recommendation, Ramanathan, Krishnan; Govindaraju, Vidhya, Journal for Emerging Technologies in Web Intelligence (JETWI), Feb 2012
- Personalized video: Leanback online video consumption, Ramanathan, Krishnan; Govindaraju, Vidhya; Sankarasubramaniam, Yogesh; SIGIR 2011.

PATENTS FILED

- Personalized Video Search, Ramanathan, Krishnan; Govindaraju, Vidhya and Gali, Prasad N
- Topic Extraction and Video Association, Ramanathan, Krishnan; Sankarasubramaniam, Yogesh and Govindaraju, Vidhya
- System and Method for automatically extending seed sets, Ramanathan, Krishnan; Govindaraju, Vidhya and Sankarasubramaniam, Yogesh
- Automatic method for creating slides from input queries or text documents, Ramanathan, Krishnan; Sankarasubramaniam, Yogesh; Govindaraju, Vidhya; Tamhane, Ashay and Nisha J.
- Video Search, Ramanathan, Krishnan; Dixit, Amol; Sankarasubramaniam, Yogesh and Govindaraju, Vidhya
- Mining Questions from the Web, Govindaraju, Vidhya; Ramanathan, Krishnan and Sankarasubramaniam, Yogesh

AWARDS AND HONORS

- Submitted 7 research disclosures at HP Labs, India
- Awarded Merit-cum-Need scholarship for 4 continuous years of study at BITS- Pilani, Goa campus.

SKILLS

- Proficiency in software development in Java, Python, C, C#
- Familiarity with Database Design, SQL, JSP, ASP, dJango, L^AT_EX
- Familiarity with UNIX, GNU/Linux, Win32.

EXTRA AND CO-CURRICULAR ACTIVITIES

- A member of AID(Association for Indias Development) and BHUMI. I have worked with the NGOs to promote education in Bangalore.
- An active member of Computer Software Development, BITS, Pilani Goa campus