Krish Perumal

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EDUCATION

M.Sc.(Tech.)* Information Systems — GPA 9.22/10, Major GPA 9.26/10 *July 2012*
Birla Institute of Technology and Science, Pilani, Rajasthan, India
*This is an undergraduate degree equivalent to the Bachelor of Engineering awarded at other Indian universities

WORK EXPERIENCE

Research Assistant, *Ubiquitous Knowledge Processing Lab* *Apr 2013 - Present*
Technische Universität Darmstadt, Darmstadt, Germany
Advisor: Prof. Dr. Iryna Gurevych (http://www.ukp.tu-darmstadt.de/people/gurevych)
Projects: Automatic mining and extraction of arguments for intelligent essay writing assistance
        Language-independent classification of edits in Wikipedia (completed)

Research Assistant, *Search and Information Extraction Lab* *Jul 2012 - Feb 2013*
International Institute of Information Technology, Hyderabad, India
Advisor: Prof. Vasudeva Varma (http://faculty.iiit.ac.in/~vv/Home.html)
Project: Cross Lingual Information Access
Developed modules/plugins for a cross-lingual web search engine for Indian languages (Apache Nutch framework) called Sandhan (http://www.tdil-dc.in/sandhan). This project is funded by the Government of India.

Intern, *NetApp Inc., Bangalore, India* *Jan - Jun 2012*
Advisor: Dr. Jayanta Basak (Member Technical Staff, NetApp India Pvt. Ltd., Bangalore, India)
Project: Workload Characterization Using Trace Segmentation
Development and implementation of a technique for storage workload characterization using time series segmentation and Markov chain modeling

Summer Research Fellow, *Indian Statistical Institute, Kolkata, India* *May - Jul 2011*
Advisor: Prof. Bidyut Baran Chaudhuri (http://www.isical.ac.in/~bbc)
Project: PageRank-based Single Document Summarization
Development and implementation of a sentence extraction based text summarization technique using PageRank scoring
Online demo: http://lightweightsummarizer.appspot.com

PUBLICATIONS

Nikhil Priyatam, Srinivasan Iyenger, **Krish Perumal** and Vasudeva Varma. Don't Use a Lot When Little Will Do - Genre Identification Using URLs. *Complementary proceedings of CICLing 2013 (14th International Conference on Intelligent Text Processing and Computational Linguistics)*
http://bit.ly/genre_cicling_2013

Krish Perumal, Jagan Mohan Ungati, Gaurav Kumar, Nitish Jain, Raj Gaurav and Praveen Ranjan Srivastava. Test Data Generation: A Hybrid Approach Using Cuckoo and Tabu Search. *In Swarm, Evolutionary, and Memetic Computing*, pp. 46-54. Springer Berlin Heidelberg, 2011.
http://bit.ly/cuckoo_search_2011

Krish Perumal and Bidyut Baran Chaudhuri. Test Data Generation: A Hybrid Approach Using Cuckoo and Tabu Search. *Proceedings of ICON-2011: 9th International Conference on Natural Language Processing*, pp. 213-218, Macmillan Publishers, India.
`http://bit.ly/krish_icon_2011`

ACADEMIC PROJECTS

Test Data Generation: A Hybrid Approach Using Cuckoo and Tabu Search
Research and development of a test data generation technique using C++ under Prof. Praveen Ranjan Srivastava (Lecturer, Department of Computer Science and Information Systems, BITS Pilani)

Edu-Connect
Developed a web application using WAMP (Windows, Apache, MySQL, PHP) to enable professor-student interaction at educational institutions with features like appointment management and automated SMS notification

SKILLS

Programming: C, Java, MATLAB, Octave, HTML/CSS, Javascript, PHP, JSP, Servlets

Web Technologies: Apache Tomcat, Apache Nutch

Database Management Systems: MySQL, Oracle, Microsoft Access

ACHIEVEMENTS

Ranked 1 among 60 students in the undergraduate class of Information Systems 2012
Summer Research Fellow of Indian Academy of Sciences in 2011 (research funding for 2 months)
Best Student Award, Mount Carmel School (2007-08)
All India Rank 12 in the All India Erose Open Examination

LEADERSHIP EXPERIENCE

Director, People-Process-Culture, Nirmaan Organization (`http://www.nirmaan.org`), India (2011)
Campus Ambassador, Teach For India (`http://www.teachforindia.org`), BITS Pilani (2011)
Coordinator, Information Systems Association, BITS Pilani (2010-11)
President, Nirmaan Organization, BITS Pilani Chapter (2010)
School Captain/Head Boy, Mount Carmel School, New Delhi (2006-07)