

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

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

Pattisapu Nikhil Priyatam, Ajay Dubey, **Krish Perumal**, Sai Praneeth, Dharmesh Kakadia and Vasudeva Varma. Seed Selection for Domain-Specific Search. *To be presented in Vertical Search Relevance Workshop at 23rd International World Wide Web Conference (WWW 2014)*. Seoul, Korea. <http://researchweb.iiit.ac.in/~nikhil.priyatam/Papers/www.pdf>

Nikhil Priyatam, Srinivasan Iyenger, **Krish Perumal** and Vasudeva Varma. Don't Use a Lot When Little Will Do - Genre Identification Using URLs. *In complementary proceedings of 14th International Conference on Intelligent Text Processing and Computational Linguistics (CICLing 2013)*
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. Language Independent Sentence Extraction Based Text Summarization. *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/Scripting: Expert: Java; Intermediate: MATLAB, Octave, HTML/CSS, LaTeX; Beginner: Javascript, PHP, JSP, Servlets

Web Technologies: Apache Tomcat, Apache Nutch

Database Management Systems: MySQL, Oracle, Microsoft Access

ACHIEVEMENTS

Rank 1 out of 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)