

# KRISH PERUMAL

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## EDUCATION

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### **M.Sc. Computer Science**

*Sept 2014 - present*

#### **(Specialization in Computational Linguistics)**

*University of Toronto, Toronto, Ontario, Canada*

*Supervisor: Prof. Graeme Hirst (<http://www.cs.toronto.edu/~gh>)*

### **M.Sc.(Tech.)\* Information Systems — GPA 9.22/10**

*Aug 2008 - Jul 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

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### **Research Assistant, Ubiquitous Knowledge Processing Lab**

*Apr 2013 - Mar 2014*

*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

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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](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](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](http://bit.ly/krish_icon_2011)

## ACADEMIC PROJECTS

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### ***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

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***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

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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

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*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)