

# KRISH PERUMAL

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## EDUCATION

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**M.Sc.(Tech)\* Information Systems — GPA 9.26/10**

July 2012

*Birla Institute of Technology and Science, Pilani, Rajasthan, India*

\*This is a bachelor's degree equivalent to the Bachelor of Engineering awarded at other Indian universities

## EXPERIENCE

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

Apr 2013 - Present

*Technische Universität Darmstadt, Darmstadt, Germany*

*Supervisor:* Prof. Dr. Iryna Gurevych (<http://www.ukp.tu-darmstadt.de/people/gurevych>)

*Projects:* Language-independent classification of edits in Wikipedia (completed)

Automatic mining and extraction of arguments for intelligent essay writing assistance (current)

**Project Engineer**, *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:* Jayanta Basak (Member Technical Staff, NetApp)

*Project:* Workload Characterization Using Trace Segmentation

Development and implementation of a technique for storage workload characterization using time series segmentation and Markov chain modeling (coded in Octave)

**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 (coded in C++ and Java). Online demo: <http://lightweightsummarizer.appspot.com/>

## PUBLICATIONS

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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](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. *Proceedings of Swarm, Evolutionary and Memetic Computing Conference 2011*, Part II, LNCS 7077, pp. 4654.

[http://link.springer.com/chapter/10.1007/978-3-642-27242-4\\_6](http://link.springer.com/chapter/10.1007/978-3-642-27242-4_6)

**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*, Macmillan Publishers, India.

[http://bit.ly/krish\\_icon\\_2011](http://bit.ly/krish_icon_2011)

## 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:*** C, Java, C++, MATLAB, Octave, HTML/CSS, Javascript, PHP, JSP, Servlets

***Web Technologies:*** Apache Tomcat, Apache Nutch, Eclipse IDE

***Database Management Systems:*** MySQL, Oracle, Microsoft Access

## ACHIEVEMENTS

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Ranked 1 among 60 students in the undergraduate class of Information Systems 2012

Selected as Summer Research Fellow by 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

Hemant Takulia Memorial Award for 98% in Physics in grade 12

Special prize for best school performance of 94% in French in grade 10

Rupali Vaish Memorial Award for 98% in Biology in grade 10

## LEADERSHIP ACTIVITIES

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*Director*, People-Process-Culture, Nirmaan Organization, India (2011)

*President*, Nirmaan Organization, BITS Pilani Chapter (2010)

*Coordinator*, Information Systems Association, BITS Pilani (2010-11)

*Campus Ambassador*, Teach For India, BITS Pilani Chapter (2010-11)

*School Captain/Head Boy*, Mount Carmel School, New Delhi (2006-07)