Krish Perumal

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EDUCATION

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

Research Assistant, *Ubiquitous Knowledge Processing Lab*   *Apr 2013 - Present*

Technische Universitat Darmstadt, Darmstadt, Germany

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

Project: Language-independent classification of edits in Wikipedia

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

Nikhil Priyatam, Srinivasan Iyenger, **Krish Perumal** and Vasudeva Varma. Don't Use a Lot When Little Will Do - Genre Identication 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. *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

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

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, 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

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

Director, People-Process-Culture, Nirmaan Organization, India (2011)
President, Nirmaan Organizations BITS Pilani Chapter (2010)
Coordinator, Information Systems Association, BITS Pilani (2010-11)
Campus Ambassador, Teach For Indias BITS Pilani Chapter (2010-11)
School Captain/Head Boy, Mount Carmel School, New Delhi (2006-07)