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Objective

To effectively apply all the skills acquired during my years spent in academics to develop tools and applications that will help the society advance technologically by being a part in an organization.

Education

Degree	Institute	Stream	Year	Performance
M. Tech	Govt. Engineering College, Palakkad	Computational Linguistics	2013	8.7 [#]
B. Tech	Govt. Engineering College, Palakkad	Computer Science and Engineering	2010	72.73%
12 th	Kendriya Vidyalaya No. 1 Palakkad	CBSE	2006	80.4%
10 th	Kendriya Vidyalaya No. 1 Palakkad	CBSE	2004	72.8%

Achievement

C-DAC GARUDA CHALLENGE: Won “**First**” prize in GARUDA challenge with the work on “Integrating Natural Language Tool Kit with grid framework” under student category, and was awarded cash prize of rupees 50, 000. http://www.garudaindia.in/html/garuda_challenge.aspx March 2013, Bangalore.

Publications

1. Journals

1. “Framework for ForumWeb-Page Summarization Using Map-Reduce Paradigm and Text Data Mining”, Arun A. M., Robert Jesuraj K., Santhosh Kumar M. In International Journal of Advanced Computing (Impact factor 1.654). July, 2012, ISSN:2044-2433, Volume 33, Special Issue 2. pages 253-257.

2. Also [1] selected in Conference proceedings in International Conference on Recent Trends in Computer Science (ICSE-2012), July 2, 2012, Chennai, India. ISBN: 978009949308X, pages 460-465.

3. “Simulation of Non-Equilibrium Transport of Suspended Sediment in Open Channel”, Robert Jesuraj K., R. Gopakumar. In International Journal of Soft Computing and Engineering (IJSCE) (Impact Factor 1.0), November, 2012. ISSN: 2231-2307, Volume-2, Issue-5. Pages 57-61.

2. Conference Proceedings

4. “Open source framework for verification of computer architectural features using CSP”, Arun A. M., Robert Jesuraj K., Santhosh Kumar M. and Dr. K. Najeeb. In The International Conference on Embedded Systems (ICES-2010), July 15, 2010, Coimbatore, India.

5. “Development of a fuzzy logic based software for automation of a single pool irrigation canal”, Dr. Gopakumar, Vinuraj, Sony Devis. Presentation of the paper was done by Robert Jesuraj K. in the

International Conference on Computational Intelligence and Engineering Applications (ICCIEA-2011), October 16, 2011, Bhubaneswar, India. This paper was adjudged the Best Content paper.

6. “**MBLP approach applied to POS tagging in Malayalam Language**”, Robert Jesuraj K., Dr. P.C. Reghu Raj. In the 3rd National Conference Indian Language Computing (NCILC-2013), January 19, 20, 2013, Kochi, India. Also published in Digital Resource Center - Computer Society of India (CSI) <http://csidl.org/xmlui/handle/123456789/544>.

Work Experience

Project Trainee at Centre for Artificial Intelligence and Robotics, DRDO, Bangalore.

Teaching Assistant for courses *Mobile Communication Systems* and *Computer Programming in C*. (as part of M.Tech program.)

Academic Achievement

Secured the **best project award** for *Framework for summarization of forum webpages using Map/Reduce paradigm and text data mining* from Government Engineering College, Sreekrishnapuram, Palakkad, Kerala.

Skill Set

Programming Language	C, Java
Scripting Language	Python, Shell Scripting, Perl
Operating System	GNU/Linux, Windows XP/7
Language Processing Tools	NLTK, Stanford CoreNLP, GATE
Server Side Computing/ Internet Technologies	PHP, HTML
Database Management System	Postgresql, MySQL
Specialised Software	GIMP, Octave, SCILAB, Photoshop CS
Programming Environment	Eclipse, NetBeans, Python IDLE
Apache Products	Hadoop, Hive, HBase, OpenNLP
Ontology Tools	Jena, Protégé, Pellet, Swoop, Sesame

Conferences and Workshops

- International Conference on Computational Intelligence and Engineering Applications - 2011, Bhubaneswar
- International Conference on Embedded Systems - 2010, Coimbatore
- Short Term Training Programme 2011 Workshop – Scripting for Scientific Computing, Palakkad
- Introduction to Research Methodologies Workshop - 2012, Palakkad (in Joint collaboration with IIT-B)
- 4th-IIIT-H Advanced Summer School on Natural Language Processing, Hyderabad
- Computational Linguistics and Machine Translation Workshop, Ettimadai (Coimbatore)
- 3rd National Conference on Indian Language Computing – 2013, CUSAT(Kochi)

Project

M.Tech Main Project: Semantic Framework for Natural Language Report Management System using Distributed Information Extraction and Scalable Ontology Processing.

Place: Centre for Artificial Intelligence and Robotics, DRDO Bangalore.