

Ravikanth
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OBJECTIVE

To obtain a respectable and challenging position in a reputed organization that helps me to enhance my technical skills and also contribute something on my part for the growth of the organization.

PROFESSIONAL SNAPSHOT

- Extensive experience with design and development in C/C++, Java
- Expertise in modeling languages like XML, RDF, OWL, UML
- Hands-on experience in IDEs like Netbeans, Eclipse
- Excellent organizational and interpersonal skills with a strong technical background
- Self-motivated, diligent and passion to learn cutting edge technologies, able to set effective priority to achieve immediate and long term goals and meet operational deadlines
- Move effortlessly through and adapt readily to ever changing technologies

EDUCATION

Master of Science Expected July 2008
University of Georgia, Athens, GA
Major: Computer Science

Bachelors of Science 2002 - 2006
Muffakham Jah College of Engineering, India
Major: Computer Science

SKILLS

Operating Systems:	Unix/Linux, Windows
Programming Languages:	Java, C/C++, SQL, PL/SQL, C#, VB 6
Web Technologies:	HTML, JavaScript, XSLT, JSP
Databases:	Oracle, MySQL, MS Access
Modeling/Knowledge	
Representation Languages:	OWL, XML, RDF/RDFS, UML
Application Servers	Tomcat, IIS, Apache

EXPERIENCE

Research Assistant Aug 2006 - Present
Large scale Distributed Information Systems (LSDIS)
University of Georgia

Major Professor Dr. Prashant Doshi

Ontology Alignment: Ontologies are foundations of semantic web.

Ontology Alignment is the process of determining the correspondence between the concepts of the ontologies of similar domain.

- Worked on the enhancement of an automated alignment tool, that is based on the approach of expectation maximization. My main task for this part of my research is to have extend the alignment tool to work for larger ontologies

- Currently in the final stages of design and deployment of an ontology alignment visualization tool, **Optima**. This visualization tool uses the automated alignment tool
- Optima is being funded by Microsoft for automatic publication of sensor net data feeds in Microsoft's SensorMap.
- Key Technologies: Java, RDF, OWL

Developer

May 2005 – Mar 2006

National Remote Sensing Agency (NRSA)

Andhra Pradesh, India

National Remote Sensing Agency is an autonomous organization under Department of Space, Govt. of India engaged in operational remote sensing activities.

- Project aimed at integrating all the various requirements into one single application
- Worked on the development of software for reading shape-files, plotting them, and also plotting the remote sensing data over it, all of which on the click of a button
- Key Technologies : VB 6, shape-files

COURSE PROJECTS

- **Databases:** Designed a toy database using the entity relationship models that implements the fundamental concepts in databases like the select, union, intersect and insert operations
- **Advanced Information Systems:** Worked on determining the quality of the ontology. The quality of the ontology is measured based on the number of instances, classes, relationships between classes, and also on the hierarchy of the concepts in the ontology
- **Compiler:** This project aims at designing a compiler to generate the intermediate code for micro-pascal, a small subset of the pascal programming language. Implementing the lexical analysis, syntax analysis, semantic analysis and the intermediate code generation phases in C++

PUBLICATIONS:

- Ravikanth kolli and Prashant Doshi. **Optima: Tool for Ontology Alignment with Application to Semantic Reconciliation of Sensor Metadata for Publication in SensorMap**. IEEE-ICSC 2008, Santa Clara, CA. August 2008