

Education

- **Wright State University** Dayton, Ohio
Masters in Computer Science Mar 2009 - Expected Apr 2012
 - Key Courses: Concurrent Software Design, Web 3.0 Social Services and Sensor Semantic Web, Distributed Computing Principles, Advanced Software Engineering, Web Information Systems, Computational Complexity and Algorithm Analysis, Knowledge Representation for Semantic Web
 - Research Interests: Information Extraction and Sensemaking from social media.
- **Visvesvaraya Technological University** Karnataka, India
Bachelor of Engineering in Computer Science 2003 - 2007
 - Key Courses: Algorithms and Data Structures, Software Engineering, Operating Systems, Database Management Systems, Formal Languages and Automata Theory, Unix Systems Programming.

Work Experience/Research

- **Knoesis, Wright State University** Dayton, OH, USA
Graduate Research Assistant & Program Assistant April 2009 - present
 - **Information Extraction and Social Data Analysis:** At Knoesis, I have contributed to projects revolving around my research interests. Selected projects to be mentioned are Twitris and Twarql. Both projects work on large/big datasets collected from twitter for analysis. Twitris mines twitter data for spatio-temporal and thematic analysis, summarization of events. Twarql alleviates information overload by enabling annotation (NER) and expressive filtering of streaming twitter data using Semantic Web technologies. We used Hadoop(MapReduce Framework) for the work on large datasets. Coding for the projects included Java, PHP, Pig (Hadoop) and Semantic Web technologies such as RDF, RDFS and SPARQL.
- **Digital Enterprise Research Institute** Galway, Ireland
Research Intern April 2011 - August 2011
 - **Scalable and Publisher-Controlled content dissemination/Semantic Hub:** My work at DERI (Semantic Hub) is a collaboration with Google for extending Pubsubhubbub (Publisher-Subscriber protocol by Google), to disseminate information based on publisher/user's preferences. This work involved coding in Python, PHP, Java, familiarity with Google app engine. Semantic Hub is now used in 1. SMOB (an open source, distributed, semantic microblogging framework). 2. Personalized filtering of social stream.
- **Dept of Computer Science and Engg, Wright State University** Dayton, OH, USA
Graduate Teaching Assistant Mar10 - Jun10 & Aug10 - Mar11
 - **CS 208-09 & CS 241-42:** I have been a Teaching Assistant for the course "Introduction to Java" for students of MIS (208-09) and computer science under graduates (241-42). Work involved teaching and helping students for labs, grading their assignments and projects.

- **Accenture**
Senior Programmer

Bangalore, India
July 2007 - March 2009

- **Drugstore.com:** The objective of the project was to increase the performance of the web application running for drugstore.com. Part of eleven member team, we migrated the embedded sql queries in the VC++ code to corresponding stored procedure calls.
- **SFR:** Lead role in installing two CRM applications of SFR (A French telecommunication company) for development environments. Later contributed to develop modules for these applications. This project involved work in Unix environment for installation, Java for development and knowledge of IBM websphere (Application server) and Epiphany (CRM tool).

- **Robert Bosch**
Project Trainee

Bangalore, India
Feb 2009 - June 2009

- **Test-program Compiler:** Contributed in developing a compiler using C# for Test-programs used in the calibration process of fuel injection pumps.

Publications

- Pavan Kapanipathi, Fabrizio Orlandi, Amit Sheth, Alexandre Passant. Personalized Filtering of the Twitter Stream. *2nd workshop on Semantic Personalized Information Management at ISWC 2011*, September 2011.
- Pavan Kapanipathi, Julia Anaya, Amit Sheth, Brett Slatkin, Alexandre Passant. Privacy-Aware and Scalable Content Dissemination in Distributed Social Network. *10th International Semantic Web Conference 2011*, Bonn, Germany, September 2011. (**acceptance rate 22%**)
- Alexandre Passant, Julia Anaya, Owen Sacco, Pavan Kapanipathi. SMOB: The Best of Both Worlds. *Federated Social Web Europe Conference*, Berlin, June 3rd -5th 2011.
- Pablo Mendes, Alexandre Passant, Pavan Kapanipathi, Amit Sheth. Linked Open Social Signals. *WI2010 IEEE/WIC/ACM International Conference on Web Intelligence (WI-10)*, Toronto, Canada, Aug. 31 to Sep. 3, 2010. (**acceptance rate 16.6%**)
- Pavan Kapanipathi, Julia Anaya, Alexandre Passant . SemPuSH: Privacy-Aware and Scalable Broadcasting for Semantic Microblogging. *10th International Semantic Web Conference 2011*, Bonn, Germany, September 2011.
- Alexandre Passant, Owen Sacco, Julia Anaya, Pavan Kapanipathi. Privacy-By-Design in Federated Social Web Applications. *WebSci 2011*, Koblenz, Germany June 14-17, 2011.
- Ashutosh Jadhav, Hemant Purohit, Pavan Kapanipathi, Pramod Ananthram, Ajith Ranabahu, Vinh Nguyen, Pablo N Mendes, Alan Gary Smith, Michael Cooney, Amit Sheth. Twitris 2.0: Semantically empowered system for understanding perceptions from social data. *Semantic Web Challenge, International Semantic Web Conference 2010*.
- Pablo Mendes, Pavan Kapanipathi, Alexandre Passant. Twarql: Tapping into the Wisdom of the Crowd. *Triplification Challenge 2010 at 6th International Conference on Semantic Systems (I-SEMANTICS)*, Graz, Austria, 1-3 September 2010. (**Winner of Triplification Challenge 2010**)
- Pablo Mendes, Pavan Kapanipathi, Delroy Cameron, Amit Sheth. Dynamic Associative Relationships on the Linked Open Data Web. *In: Proceedings of the WebSci10: Extending the Frontiers of Society On-Line*, April 26-27th, 2010, Raleigh, NC: US.

Skills

Programming: Java, C, C++, SQL, Python, Hadoop (MapReduce), Pig(Hadoop).

Familiar: C#, VC++, Perl

Web: PHP, HTML, Javascript, XML, XHTML, JSP, Json, Java Servlets, CSS, RDF, SPARQL, OWL, RDFa.

Tools & Web Servers: MySQL, MSAccess, Apache, Tomcat, Virtuoso, Sesame, Jena, WebSphere, Visual Studio

Professional Activities and Achievements

- Winner of the Triplification Challenge: “Twarql: Tapping into the Wisdom of the Crowd” won the Triplification Challenge in the open track at 6th International Conference on Semantic Systems in September 2010.
- Awarded scholarship of \$1500 to attend the 10th International Semantic Web Conference at Bonn, Germany.
- Reviewer for International Journal On Semantic Web and Information Systems.

References

Dr. Amit Sheth (Advisor)
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Dr. Alexandre Passant
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