KIRAN KUMAR REDDY VAJJA

e-mail: vkirankr@iitk.ac.in, kirankumar.vajja@gmail.com
Website: http://www.cse.iitk.ac.in/users/vkirankr/
Mobile: +91 9621452179
Address: E-307, Hall-7, IIT Kanpur, Kanpur - 208016.

Program	Year	Grade	University
(Ph.D)	2007 - (2012)	8.4/10	Indian Institute of Technology Kanpur
M.Tech	2005 – 2007	9.14/10	Indian Institute of Technology Kanpur
B.Tech	2000 – 2004	78.5%	Sri Venkateswara University, Tirupathi

Research area	Software Architecture and Design **Advisor**: Prof. Prabhakar TV
Research interests	• Design patterns & Tactics • Quality attribute tradeoffs • Architecture analysis and design • Game-theoretic mechanism design
Research title	Automation Aspects of Architecture Decision Support System.

Publications:
- Kiran Kumar, and Prabhakar TV. *Pattern-oriented Knowledge Model for Architecture Design.* Pattern Languages of Programs Conference 2010. October 15-18, Reno, USA.
- Kiran Kumar, and Prabhakar TV. *Design Decision Topology Model for Pattern Relationship Analysis*. Asian Conference on Pattern Languages of Programs 2010. March 15-17, Tokyo, Japan.
- Kiran Kumar, and Prabhakar TV. *Quality attribute game: a game theory based technique for software architecture design*. India software engineering conference 2009. Feb 23-26, Pune, India.
- Prabhakar TV, and Kiran Kumar. *Some Perspectives in Teaching Software Architecture*. Software Architecture Technology User Network (SATURN) 2008. Apr 30 - May 1, Pittsburgh, USA.

Notable Achievements:
- Progam Committee member for *Asian Conference on Pattern Languages of Programs AsianPLoP 2011*, March 17-19 2011, Tokyo, Japan.
- Reviewer for *PLoP (Pattern Languages of Programs) 2011*, *ISEC (India Software Engineering Conference) 2011*, *ECSA (European Conference on Software Architecture) 2011* conferences.
- Worked as *intern* for six months (April 15 2009 to October 15 2009) with Prof. Hans van Vliet in *Vrije Universiteit*, Amsterdam.
- Worked as *Freelance Designer & Developer* for various projects from 2007-2010.
- Selected as *Software Engineer & Developer* in **Sybase Software (India) Pvt Ltd** with salary of **700,000/-** per annum in 2007**.**
- Secured 99.73 percentile (All India Rank: 75) in GATE 2005.
- Secured 99.31 percentile (All India Rank: 237) in GATE 2004.

Technical Excellence:

Programming Models	Imperative programming, Object-oriented programming, Event-driven programming, Multithreaded programming.
Desktop Technologies	C, C++, Java, C#.
Client-side web Technologies	HTML5, Javascript, AJAX, YUI, JQuery, JSON, CSS, Applets.
Server-side web Technologies	PHP, J2EE.
Java/J2EE Technologies	JSP, JSF, Servlets, Struts, Hibernate, Spring, EJB, JDBC, XML, JMS, SOAP, JavaMail, RMI.
Database Technologies	MySQL, Oracle, XML.
XML technologies	SimpleXML, PHP DOM, JDOM, DOM4J, XPath, XSLT
Development Environments	NetBeans, Eclipse, Visual Studio, Oracle SQL Developer, HeidiSQL.
GUI Toolkits	Netbeans Matisse GUI Editor, Eclipse Visual Editor, Visual Studio GUI Editor.
UML Tools	Omondo UML, StarUML, ArgoUML.
Version Management Tools	SVN, CVS
Knowledge Modelling Tools	Concept Map, Prefuse.
Other Tools	JUnit, XML Spy, Putty
NLP frameworks	Lingpipe, OpenNLP, UIMA.
OpenOffice Frameworks	OpenOffice UNO, Apache HSSF.
Compiler Frameworks	ANTLR
Embedded System Technologies	C, C++, NesC, Assemblies.

Attitude strengths: Creative, Fast learner, Confident, Simplicity, Disciplined, Self-questioning, Maturity practitioner.

Experience as webmaster
- Developed *ISEC 2012 conference* website.
- Developed a website for a startup company – *e-spin NanoTech*.
- Developed a website for a cultural event – *Vivekananda Youth Convention 2011*.

Mentoring Experience:
- Worked as *Teaching Assistant* in IIT Kanpur for various courses like *Software Architectures*, *Software Engineering*, *Internet Technologies*, *Data Structures*, and *Compiler Design* etc.
- Worked as *Faculty* in NBKRIST during 2004-2005 academic year.
- Worked as *Lab instructor* in IIT Kanpur for *C/C++*, *Java* programming languages.
- Mentored some B.Tech projects like *Implementing a chatting application using Java RMI*, *Emulating the SQL operations with C language file operations* etc.