

Avanidhar Chandrasekaran

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PROFESSIONAL OBJECTIVE:

Seeking challenging positions in the design and development of web based software systems.

EDUCATION:

M.S in Computer Science, University of Minnesota, May 2009

GPA: 3.86

B. Tech in Information Technology, April 2007, Anna University, India.

Aggregate : 82 %

First class with distinction, Class rank : 4th out of hundred students

SKILL SET:

- Languages: C, C++, C#, Java SE, Java EE, Python, Groovy
- Databases: Oracle, MS-SQL, MySQL, IBM DB2
- Operating Systems: Windows, Unix, Linux
- Web Servers: IBM Websphere, SUN GlassFish, Apache Tomcat
- Web Programming: Javascript, AJAX, XML, Spring, Hibernate.
- Web Toolkits: YUI, GWT, Silverlight.
- Others: JUnit, EasyMock, ActiveMQ, log4j
- Protocols: HTTP, TCP, UDP

PROFESSIONAL EXPERIENCE:

Software Engineer: Thomson Reuters, Eagan MN

July 2009 - Present

- Developing new metadata capability for the Judicial Metadata Service at Thomson Reuters.
- Working in an agile environment and keeping up with volatile requirements.
- Project involves extensive use of Java EE, Spring and Hibernate.

Research Assistant: Department of Radiology, University of Minnesota

September 2008- May 2009

- Developed a java based toolkit for analyzing and visualizing MRI spectroscopy data.
- This software is hosted as an open source project at <https://mrstk.svn.sourceforge.net/svnroot/mrstk/>

Summer Intern: IBM Rochester

May 2008 – August 2008

- Developed additional functionalities for a charting system to visualize the performance logs of the Websphere Application Server on various platforms using the J2EE framework.
- Also created an AJAX based web application to automate and make the entire charting process easier.

Research Assistant: Department of Civil Engineering, University of Minnesota

January 2008 – May 2008

- Ported a ramp control algorithm simulation from its current execution environment to a completely new one.
- This involved re-writing entire functions to conform to a new object oriented API and SDK.

TECHNICAL PROJECTS:

Various web-based Mashup applications

Jan 2009 – May 2009

- Created UI mashups using YUI, Google Web toolkit, Microsoft Silverlight and Facebook API
- Each project involved building entire applications by extensive use of User Interface libraries and accessing web services through their corresponding API's in a short period of time.

Educhate: Applicability of Video Chat interfaces in Educational Environments

Jan 2008 – May 2008

- Was part of a team which developed an online voting interface intended to generate consensus among students.

A Hybrid IDS for an Online Banking Application:

December 2006 – April 2007

- Rule based and Statistical approaches were incorporated to implement an Intrusion Detection system for an online Banking Application.

ENTS: *Shepherding our natural wealth.*

November 2005 – May 2006

- Designed a system to monitor water quality parameters at various water bodies and provide suitable measures to control the decline of water quality.
- The project made it to the **top 50** in the world at IEEE CSIDC 2006 while reaching the pre-final stage of the competition.

ACHIEVEMENTS AND AWARDS:

- SSN College of Engineering Merit Scholarship, Tuition Fees Waiver for the Academic Years 2003 and 2004
- Awarded the "Best Organizer" award by my undergraduate institution for my efforts during our Inter Collegiate cultural festival. President of college Quiz club and Paper Presentation committee.