

ARPIT BANSAL

2672 Magnolia Ave, Los Angeles • arpitban@usc.edu • (213) 610-1125

EDUCATION

Viterbi School of Engineering, University of Southern California, Los Angeles, CA

Expected Fall 2014

Master of Science in Computer Science

Relevant Coursework:

Web Technologies	Advanced Mobile Devices and Game Consoles	Analysis of Algorithms
Foundation of Artificial Intelligence	Machine Learning*	Multimedia Systems*

*Current Coursework

Jai Narain Vyas University, Jodhpur, Rajasthan, India

Bachelor of Engineering in Computer Science and Engineering

2006-2010

Relevant Coursework:

Data Structures	Object Oriented Programming	Database Management System
Operating System Design	Software Engineering	

TECHNICAL SKILLS

- **Languages:** C#, C, Java, JavaScript, Objective-C, HTML, CSS, XML, PHP, ADO.NET, ASP.NET
- **Database:** Microsoft SQL
- **Operating Systems:** Windows, Linux
- **Other Packages/Tools:** MS Visual Studio, MS Visual Source Safe, XCode, Cocos-2D, Eclipse, Apache, Apache Tomcat

WORK EXPERIENCE

STEM Research Group, University of Southern California, Los Angeles, California

- Developing an iPad app for public schools' students and teachers to make their learning/teaching experience more interactive

Infosys Limited, Pune, India

Client: **American Express**

Systems Engineer

2010-2012

- Secured a GPA of 4.93/5.00 during a four month long training program on .NET/MS SQL 2008R2
- Designed and developed a plug'n'play .NET component for validation & processing financial data feed from JP Morgan which resulted in closing Audit gaps and a financial savings to US\$ 225K per annum
- Devised the process to create complex transactional feeds for Anti-Money Laundering services for Italy market to track Bank Wires, avoiding a potential business loss of ~ \$10 million
- Developed a banking portal prototype website using ASP.NET and ADO.NET, and MS SQL as backend
- Worked on all phases of SDLC

PROJECTS

Gravity Twist – A Mobile Game Project ([Demo](#))

Summer 2013

- Developed a 2D-platformer fun game for iOS devices in a team of four using Cocos-2D/Box-2D framework

Search Music – An Android/Web Application

Spring 2013

- Developed an Android as well as Web application to share ones favorite artists/albums/songs using technologies like Java Servlet, JavaScript, JSON, PHP, XML, Facebook API integration etc.

GO – A Strategic Board Game

Spring 2013

- Designed an Alpha-Beta pruning algorithm in Java for a GO game instance and compared running time with MinMax algorithm

FDOS – An Operating System

2009-2010

- Led a team of three in a class project to develop a scalable floppy disk operating system using the interrupt based programming in Assembly language for x86 microprocessor systems

Blog Implementation – A Web Application

2008-2009

- Designed an online platform to ease the process of knowledge sharing by developing a client-server 3-tier web application using JSP/Servlet and JDBC connected with MySQL Database deployed on Apache Tomcat Server

SEMINARS

Spyware – You are being 'Monitored'

2010

- Presented the concepts of techniques used by Spywares to access personal information, and the associated risks and possible resolutions for prevention measures

An Overview of JSP and Servlet Technology

2009

- Presented the working architecture of JSP/Servlet using JDBC and concept of Apache Tomcat server

EXTRA-CURRICULAR ACTIVITIES

- **Volunteered in "My Infy My DC"** event to bring the families of employees at Infosys, Pune 2011
- **Core member of publicity and public management team** for annual technical festival at MBM Engg. College 2009-2010
- **Organized PC Games Competitions** for cultural festivals at JNVU University 2009-2010