

ARPIT BANSAL

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TECHNICAL SKILLS

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

EDUCATION

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

Expected Dec
2014

Master of Science in Computer Science

Coursework

Spring 2013:

CSCI 570 – Analysis of Algorithm,

CSCI 571 – Web Technologies

(Developed an android application as the final assignment which involved technologies like Java Servlet, JSON, PHP, XML, Facebook API integration etc.

CSCI 561 – Foundation of Artificial Intelligence

(Successfully Implemented Alpha-Beta pruning algorithm for a GO game instance in Java).

Summer 2013:

CSCI 526 – Advanced Mobile Devices & Games ([Final Demo](#))

Jai Narain Vyas University, Jodhpur, Rajasthan, India

2006-2010

Bachelor of Engineering in Computer Science and Engineering

WORK EXPERIENCE (References available on request)

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

- Building an iPad application for public schools' students and teachers. (For more information, click [here](#))

Computer Science IT Department, University of Southern California, Los Angeles, California

- Provided hardware and software support. • Helped in troubleshooting and upgraded RAM, Graphics cards etc.

Infosys, Pune, India

Client: **American Express**

Systems Engineer

2010-2012

- Secured a GPA of 4.9/5.0 during a four month long training program on .NET/MS SQL 2008R2

- Developed a banking portal prototype website using ASP.NET and ADO.NET, and MS SQL as backend

- Using SDLC lifecycle, developed a reusable plug'n'play .NET component with three layered architecture

- Designed critical MS SQL database procedures for Bank of Italy's transactions' reporting purposes

PROJECTS

FDOS – An Operating System

2009-2010

- Led a team of three to develop a scalable Operating System using the interrupt based programming in Assembly language for x86 microprocessors 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

C to JAVA Interpreter – A Concept of Programming Languages

2008-2009

- Developed a framework to convert a C program file into an equivalent JAVA source file by performing syntax and semantic validations implementing the concept of Lexical Analysis

Online Examination Tool – A Tool for Automation

2007-2008

- Automated the manual work of handling classroom exams with the facility of configuring tests and getting immediate results by designing a client-server 2-tier windows application using JAVA AWT APIs backed by a centralized MySQL database server

SEMINARS

Spyware – You are being 'Monitored'

2010

- Presented the concepts of the 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 M.B.M Engineering College

2009-2010

- **Organized PC Games Competitions** for cultural festivals at JNVU University

2009-2010