

ABHELAKSH THAKUR

2633 S Hoover St. Apt #1, LA, CA-90007

abhelaksh.thakur@usc.edu

Phone: +1-(213)-948-0680

<http://www-scf.usc.edu/~abhelakt/>

EDUCATION

University of Southern California

Degree Objective: Masters in Computer Science (General)

Los Angeles, CA
Dec 2008(expected)

GTB Institute of Technology

Bachelor of Engineering in Electronics and Communications

New Delhi, India
June 2006

COURSE WORK & TECHNICAL SKILLS

- Coursework at USC: Computer Networks, Database Systems, Distributed Multimedia Information Management, Analysis of Algorithms, MOS VLSI Circuit Design
- Programming Languages: C, C++, SQL, PLSQL, JAVA, JDBC, JSF, JSP, JAVA Script, XML, HTML, KML, PHP
- Tools & Platforms: Cadence Layout & Schematic, Oracle Applications forms & reports, SQL*Plus, MySQL, Microsoft VISIO, Visual Basic, Wireshark, OPNET, AutoCAD, Windows 98, 2000, XP, Vista, MAC, Solaris, UNIX

WORK EXPERIENCE

Wipro Technologies, Bangalore, India

- Worked for 1 year as a full time employee in the Enterprise Resource Planning Oracle division as a Project Engineer.
- Underwent training in Programming Techniques, C language, Data Structures, Unix, Java, SQL, PL-SQL, J2EE, Java Script, HTML, JSP, Oracle Applications, forms and reports.

Thales Avionics Ltd., London, United Kingdom

- Worked in Hardware Engineering department for two months as a placement student.

Laser Science & Technology Center, Defense R&D Organization, New Delhi, India

- Underwent training and completed project titled "Implementation of UART in VHDL using FPGA".

In-House Training at GTBIT, New Delhi, India

- Completed two months training in Visual Basic, computer hardware and Java.

ACTL Ltd., New Delhi, India

- Worked for operations and marketing department for three months as a summer trainee.

USC, Los Angeles, California

- Worked as a user room operator at Information Technology Services, USC during fall'07.
- Worked at University Bookstore (Distribution Center), USC during spring'08.

TECHNICAL PROJECTS

Campus Surveillance system using spatial databases

- Project involved creating a spatial database and querying database using SQL spatial queries. It also involved creating and linking a GUI using JAVA SWINGS & JDBC to display the working of the project.

USC, Los Angeles
Oct 2007

Socket Programming project

- Created code for dividing data into packet format and transferring it over a network from sender to receiver through routers using C language.

USC, Los Angeles
Oct 2007

Web 2.0 Interface for a Geo-Scientific Database

- Developing a fully functional Web 2.0 interface for querying, plotting and modifying a federated DB having Geo-spatial data using Google Maps API, Keyhole Markup Language, Java Server Faces, JDBC, HTML & MySQL.

USC, Los Angeles
Current

Assistive Technologies Information Consolidation

- Project involved creating an application that retrieves, consolidates, searches and indexes information about various Assistive Technologies available on the web using HTML, JSP, Tomcat, JAVA, JDBC, MySQL & Tomcat.

USC, Los Angeles
Current

Digital simulation of a neural network

- Designed a neural network schematic and layout using Cadence.
- Created net lists, verified and generated all waveforms using HSpice and mwaves.

USC, Los Angeles
Oct 2007

Electronic Door Locking System using Atmel AVR and SIM Card as key

- Designed the hardware and code for the digital door lock, used Atmel AVR AT90S2313 microcontroller.
- Designed own AVR-ISP and created a SIM Card reader to display contents of a SIM Card on the computer.

GTBIT, New Delhi
Jan-Mar 2006

Hospital Management System

- Designed front end using Visual Basic 6 and back end using MS Access.
- Created database and search engines for patients, doctors, departments etc.

GTBIT, New Delhi
June-July 2004

ACHIEVEMENTS & HONORS

- Presented a technical paper titled Ontology Driven Entity Disambiguation, regarding research related to Semantic Web, at USC http://www-scf.usc.edu/~csci586/sp2008/3_2_Abhelaksh%20Thakur.ppt
- Coordinated "Rampage" (LAN gaming contest) at annual college Technical festival.
- Captained the college cricket team which won first prize at state level cricket tournament.
- Captain of the USC Ping Pong Posse JV Table Tennis team, also won inter college Table Tennis competition.
- Was one of the top three scorers in Algorithms, Control Systems and C++ programming at university exams.
- Earned certificate of merit from Microsoft Ltd. at Windows Starter 2007 Bug Bash.
- Got selected for Wipro Technologies and HCL Comnet during college on campus placements.