

Deep Harish Thakkar

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EDUCATION :

GRADUATE: Master of Science, University of Southern California, December 2009

Field of Study – Computer Science

Courses Taken: Database Management Systems, Analysis of algorithm, Computer Graphics, Web Technologies, Software Engineering, Security Systems, Computer Networks, Artificial Intelligence , Software Management and Economics .

UNDERGRADUATE : Bachelor of Engineering - Computer Engineering, University of Mumbai, May 2007

INTERNSHIP :

ASA Produce Co, Los Angeles : [Work Sample 1](#) [Work Sample 2](#) (Dec 08 to May 09)

- Developing B to B Web application using HTML, PHP, CSS, DOM, AJAX, Javascript
- Main features include bidding , buying ,selling ,orders , alerts ,active lists , inventory

Udhyog Software Limited, Mumbai, India – (June 06 to May 07)

- Management Information System (MIS) with graphical and charting interface for Managers for business analysis and optimization.
- Languages used : Java, Oracle 9i, JDBC

TECHNICAL SKILL:

Platform	:	Windows	9X/NT/XP/Vista,	Mac,	Linux,	UNIX,MS-DOS
Programming	Languages :		C,	C++,		Java(Basics)
Databases	:	Oracle,	MSAccess,	SQLServer	,	MS SQL
Web development	:	HTML, XML ,	JavaScript ,JSP, PHP ,	Cold Fusion,CSS,	XSLT, DOM, AJAX	
Protocols and Standards	:	TCP, UDP, IP, RIP, ARP, FTP, HTTP, TELNET				
Application Programs	:	MS Office, Rational Ros, Vizio				
Tools	:	Maya , Open GL, Wireshark, OPNET, MATLAB				

RELATED ACADEMIC PROJECTS :

Artificial Intelligence: <http://idm-lab.org/wiki/561/index.php/Main/Assignments> (Spring 2009)

- Implemented the simulation of the game called "Starcraft" using A* (A star) algorithm to find the least cost path from the start node to the goal node. (<http://idm-lab.org/wiki/561/uploads/Main/project1.pdf>)
- <http://idmlab.org/wiki/561/index.php/Main/Assignments>

Security Systems <http://ccss.usc.edu/530/fall08/> (Fall 2008)

- Research Paper on "Security In Mobile Devices".
- Practical Lab : Performed actual practical's in Lab like Steganography, Cryptography, Packet Sniffing(using wireshark), Authentication, Authorization, Firewalls

Software Engineering <http://greenbay.usc.edu/csci577/fall2008/site/index.html> (Fall 2008)

- Designing a [housing maintenance application for Shields Housing](#) (Los Angeles)
- Playing the role of Feasibility Analyst and Shaper.
- Did Cost estimation (using COCOMO)and Life cycle Planning of the above software.
- Designed and maintenance of team Project website (<http://greenbay.usc.edu/csci577/fall2008/projects/team2/>)

Web-Technology (Summer 2008)

- Built dynamic client-side forms: HTML, Javascript, DOM and CSS (<http://www-scf.usc.edu/~deephart/hw1/>)
- Built a Web-based information system (Logistics Website: <http://csci351.usc.edu:5153/homework2/deep.jsp>) to allow customers to order .Site has 3 views :Administrator ,Manager and Customer using JSP, HTML, CSS, SQL, AJAX AND JAVASCRIPT. (<http://www-scf.usc.edu/~deephart/project2/deep.jsp>)
- (Admin view) <http://www-scf.usc.edu/~deephart/project2/amain.jsp>
- (Order Form) <http://www-scf.usc.edu/~deephart/project2/placeorder.jsp>
- (Managerial view) <http://www-scf.usc.edu/~deephart/project2/mmain.jsp>
- Create a set of Web Services for Website to access your database. <http://www-scf.usc.edu/~deephart/hw3/deep.jsp>
- <http://www-scf.usc.edu/~deephart/hw3/amain.jsp>

Database

(Spring 2008)

- Developed an ER for a relational database using SQL queries.
 - Developed an application that queries a spatial database using Oracle 9i, Oracle Spatial features and JAVA(JDBC).
- http://www-scf.usc.edu/~deephart/DB_project2_Deep_Thakkar.jpg
- Designed an XML schema and utilized XQuery to query the XML data.

Graphics

(Spring 2008)

- Project using Processing Language –Wired Frame rendering
- Project using Open-GL

Computer Networks:

(Spring 2009)

- Simulated Client-Server architecture capable of transferring TCP and UDP packets over TCP and UDP sockets respectively in a networking environment using C++.

PREVIOUS WORK EXPERIENCES :

- Currently Working as a **Application Developer** (MS SQL and Cold Fusion) at Educational Affairs University of Southern California / School Of Medicine .
- Worked as a **Lead WebDeveloper** (database, PHP, Site Maintenance) in Dean's Support Staff (KecTech) at University of Southern California /School Of Medicine (Summer 2009).
- Western Trade Adjustment Assistance Center – Research Annex (**Database management**) University of Southern California.
- Worked as a student **Web-developer** - INFORMATION SECURITY University of Southern California.

HONORS AND AWARDS

- Won second prize in Inter College Robotics competition at University Of Mumbai.
- TEAM LEADER for four years at JIVDAYA PARIWAR which works for care and cure of animals.
- First prize in Presentation on "Analysis of Indian Stock Markets and Finance".

EXTRA-CURRICULAR ACTIVITIES:

- Active Volunteer member of Los Angeles Google Technology User Group for University Relations and site maintenance.
- Founder Member of "Umang Foundation" which works for the upliftment of the society by Educating unprivileged children, orphans, supports Old Ages, Orphanages and much more. <http://umang-foundation.blogspot.com/>
- <http://picasaweb.google.co.in/umangfoundation>
- Designed a Hollywood movie website: " The Interrogation" <http://www-scf.usc.edu/~deephart/intr2/Interrogation.htm>
- Participated in half marathon (21.097 km in 150 min) STANDUARD CHARTERRED-2007.
- Active member of PETA-INDIA which works for animal welfare.