

GRADUATE: (GPA – 3.3)

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 : (GPA – 3.85)

Bachelor of Engineering - Computer Engineering, University of Mumbai,

May 2007

INTERNSHIP :

Educational Affairs University of Southern California / School Of Medicine:

(Aug 08 to Dec 09)

- Developing a Web application using MS SQL ,Cold Fusion, CSS, AJAX, JavaScript

ASA Produce Co, Los Angeles :

(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

Udhog 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

Worked as Career Counsellor at [Apex Consultants](#) and assisted students in Career counseling and Application, Scholarships, Visa applications, TOEFL Training and GRE quant coaching.

(Duration – 14 months)

TECHNICAL SKILL:

- **Platform** Windows 9X/NT/XP/Vista ,Mac , Linux , Unix ,MS-DOS
- **Programming Languages** C, C++ , Java (basics)
- **Databases** Oracle , MS Access , SQL Server, MS SQL
- **Web Development** HTML, XML, JavaScript,JSP, PHP, Cold Fusion,CSS, XSLT, DOM, AJAX, Perl
- **Protocols** 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 :

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++.

Security Systems

(Fall 2008)

- Wrote a Research Paper on "Security In Mobile Devices".

- Practical Lab : Performed actual practical's in Lab like Steganography, Cryptography, Packet Sniffing(using wire shark), Authentication, Authorization, Firewalls

Web-Technology

(Summer 2008)

- Built dynamic client-side forms: HTML, JavaScript, DOM and CSS

- Built a Web-based information system to allow customers to order .Site has 3 views :Administrator ,Manager and Customer using JSP, HTML, CSS, SQL, AJAX AND JAVASCRIPT.

- Designed and developed shopping cart application to create a virtual market place for the multiple vendors and service providers using JSP, JDBC, MySQL, HTML, XML, CSS and JavaScript.

- Extended a Profile administration panel using PHP , JavaScript , AJAX,CSS .

- Developed EAR application to track educational activities and hours using MS SQL ,Cold Fusion, CSS, AJAX, JavaScript.

- Developed a Perl Web Crawler [Perl, XML, DOM, Javascript, HTML], a multi-browser website crawling application to extract the current sponsored links from the google and Live search web sites

- Developed GOOGLE–MAPS Mashup using AJAX, Javascript, JSON, Java Servlets, Tomcat and Flickr and Google APIs, which collects the data from the Flickr and Google web site and displays the photos uploaded on Flickr server in the selected area.

Database

(Spring 2008)

- Developed a database for a Micro-blogging system and also queried it to obtain complex results.

- Developed a JAVA-SPATIAL GUI application that queries the spatial database using oracle 9i, Oracle spatial features and JDBC

- Designed an XML schema and utilized XQuery to query the XML data.

Software Engineering

(Fall 2008)

- Designing a [housing maintenance application for Shields Housing](#) using **Incremental Commitment Model** for Software development life cycle Planning .

- Playing the role of Feasibility Analyst , Shaper along with Designing and maintenance of team Project website .

- Did Cost estimation (using COCOMO) and Life cycle Planning of the above software.

Graphics

(Spring 2008)

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

Artificial Intelligence

(Spring 2009)

- **Implemented A* algorithm** to find paths on grids quickly and optimally **for Any-Angle Path planning for computer games**

PREVIOUS WORK EXPERIENCES :

- Worked as a **Lead Web Developer** (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.