

NIKHIL KASHYAP

1026, W 24th Street
Los Angeles, CA 90007
(213) 321-9308
nikhilka@usc.edu

OBJECTIVE

Seeking employment at a growth oriented organization that will allow me to utilize my analytical, interpersonal, web development and programming skills.

EDUCATION

University of Southern California, Los Angeles, California Dec 2007
Master of Science, Computer Science
Relevant Coursework – Software Engineering-I, Database systems, Personal Software Process and Project, Web Technologies, Human Performance Engineering, Specification and design of User Interface, Software Management and Economics, Probability Theory for Engineers, Introduction to Computer Networks.

Maharishi Markdeshwar Engineering College, Ambala, Haryana, India May 2005
Bachelor of Technology, Electronics and Communication Engineering

SKILLS

Programming Languages	C#, C, VB, ASP, Fox-Pro, AJAX, JSP, JavaScript, HTML, XML, CSS, Perl, WSDL, SOAP, DOM, VHDL, Assembly Language (8085, 8086)
Applications	MS Office, MS SQL 2000, OPNET, Ethereal, Adobe Photoshop CS2, Apache Server, Tomcat Server, Trac, Wiki, Subversion, Visio
Operating Systems	Windows 95/98/NT/XP/2003, MSDOS, UNIX

WORK EXPERIENCE AND INDUSTRIAL PROJECTS

CRAIN COMMUNICATION Inc., Los Angeles, CA *Sept 07 – Till Date*
(Full Time Intern)

- Working with developers and solving their HTML, CSS and JavaScript Problems.
- Working on the prototype of Crain Communication corporate website using HTML, CSS and JavaScript.
- Installing and Configuring Servers and working in SQL for making Updates in the Data Base.

ROOFTOP MEDIA Inc., San Francisco, CA (www.rooftopcomedy.com) *June 07 – Aug 07*
Associate Software Developer (Full Time Intern)

- Automating Windows Media Encoder to remotely control the encoding process by specifying the time and profile in windows console using C#. I made use of the Log4net library to log the errors and send them via email when error occurs. Developed a windows GUI based application for C# program.
- Configuring Computers and Network Drives to the network, installing the server for software development testing and making Network Diagrams using Microsoft Visio.

THALES e-Transactions, New Delhi, India *Sep 05-Dec 05*
Maintenance & Commissioning Engineer (Full Time)

- Working on the operation, maintenance and commissioning team as an Engineer and responsible for implementation of contactless technology by installing a secure system in the new line that includes cutting-edge contactless equipment, with 245 retractable-flap access-control gates, 160 transit card/token vending machines, 93 ticketing information monitoring systems, 24 central servers, 200 computers and the connection to the central line system and 24 station systems.
- Training the Delhi Metro staff, providing them with the skills to operate and maintain equipment provided by THALES to Delhi Metro.

SATLUJ INFOTECH IMAGES, New Delhi, India *May01-Dec05*
System Assurance Engineer (Part-Time)

- Directing cabling, configuring and installing computer hardware, computers and computer networks and software for network and stand-alone computers.
- Developed a company Website in HTML using CSS, JavaScript.
- Developed and implemented a tool for editing images using Fox-Pro and connected to MS Access.
- Providing software support on computer network.
- Troubleshooting hardware and software conflicts and problems.
- Planning and implementing configurational changes to the network.

HCL Infosystems Ltd., Noida, India

Jul04-Aug04

(Full Time Intern)

Worked in the Frontline Division; presented a project on "Hardware Capabilities" which involved deep study of the entire hardware structure and of working capabilities such as Microprocessors, memory chips, Disk, Video Display unit etc.

HCL Infosystems Ltd., Noida, India

Jun03-Aug03

(Full Time Intern)

Worked on HCL's Accounting Software; market analysis and usability analysis of the Software using QUIS, including a report on its flaws in comparison with the leading accounting software and designing the User Interface after QUIS analysis.

ACADEMIC PROJECTS

E-Mentoring Software Engineering

- Currently working as a Operational & Concept Descriptor in a team of 6 students and developing a website of E-Mentoring for Los Angeles Urban League. Working very close to the clients for identifying Win Conditions using M-BASE, Expectation Management and COCOMO-II.

Web Projects

- Developed a website using HTML, CSS, JavaScript, which parses XML files by taking inputs from HTML form and displays result in HTML using XML DOM and inner HTML.
- Developed a website using HTML, CSS, JavaScript. PERL script was used to parse the data from a webpage to generate an XML file at server side and then the generated XML file was parsed using PERL script to display the results in a HTML webpage on APACHE Server.
- Developed a web service which consists of HTML forms to present a search result that was marked on Google Map. Implemented using CSS, JavaScript and Java Servlets (AJAX) on Tomcat server.
- Developed a web service, which was designed to take data from T-mobile hotspot finder site and parse the information as per the query, which would generate an XML string and display results as per queries using Java Servlets and SOAP tool (Apache Axis) on a Tomcat Server.

Online Facility Reservation System for USC Staff & Students

- Developed a Website to implement the web services offered by USC for students and staff considering the User Interface parameters such as usability specification and usability analysis, keeping in mind the key factors such as color and icon commandments in ASP.

Game Design Improvement

- Evaluated the interface of that game to propose improvements keeping in mind ease of navigation, easiness to learn how to use the game, color, icons, screen layout developed a QUIS and made a prototype of screen using Adobe Photoshop CS2 and made significant changes in the code of the game motorball also used FLASH to show the improved interface.

Spatial Database Managements and Querying System for USC

- Implemented the tram and cruiser tracking system for USC, using spatial queries in Oracle and Java and displaying the results of tracking in Google Maps real-time.

Personal Software Project

- Documenting the analyses of factors encountered during software development by gathering personal data in logs, forms and templates. Making checklists by analyzing refined defects types. Making resource, time and size estimation with the help of tools/spreadsheet which I made during my Personal Software Development Process.

Socket Programming

- Developed a program in C for transferring files from client to server by authenticating.

Secure and Automated Door Entry Using Smart Card

- Designed a circuit for controlling the security system of a building/room, thereby controlling the various functions of building/room intelligently using 8085-microprocessor and 8085 assembly language and implemented it in a Delhi Metro Office, New Delhi, India.

Home Automation System

- Designed a circuit when connected to the computer can switch on/off lights & other electrical equipment; interfaced using C language Implemented at Satluj Infotech Images, New Delhi, India.

HONORS AND ACHIEVEMENTS

- Presented a book review presentation on "Computer Interaction in the New Millennium" to Professor Steve Jacobs and class.
- Presented a paper on "FACTS- Fingerprint Analysis and Criminal Tracing System for fast and accurate identification of criminals" during Avalanche 2003, Electronics & Communication Branch Fest.