

RAHUL AJITH

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Objective

Seeking an employment in the field of Software/Networking

Education

- University of Southern California, Los Angeles May 2009
Masters of Science in Electrical Engineering GPA: 3.3/4
- PSG College of Technology, Coimbatore, India. May 2007
Bachelor of Engineering in Electronics and Communications GPA: 7.44/10

Coursework Undertaken:

- **Graduate:** Computer Networks, Programming Systems Design, Analysis of Algorithms, Web Technologies Broadband Network Architecture, Probabilistic Methods in Computer System Modeling, Optical Fiber Communication Systems, Wireless Internet and Pervasive Computing
- **Under Graduate:** Computer Networks, Data Communication & ISDN, Relational Database Management Systems, Programming(C,C++,Java), Data Structures and Algorithms, Digital Communication Systems, Statistical Theory of Communication, Engineering Economics, Industrial Management.

Technical Skills

- Programming Languages :C, C++
 - Web Technologies :HTML, CSS, JavaScript, XML, DOM, Perl, Ajax, php
- Others :Apache, Tomcat, Dreamweaver,DB2, MySQL
Ethereal Networking protocol Analyzer (Wireshark)
OPNET (Network design and simulation)

Work Experience

- **IBM Global Services Ltd.,Bangalore,India - Internship** May 2005– July 2005
 - Completed a project on the Implementation of IBM Academic Initiative
- **Premier Instruments & Control Limited(PRICOL), India – Internship** Dec 2006 – May 2007
 - Implementation of Zigbee (Low Data rate Wireless Protocol) protocol stacks in CodeWarrior using C++.
- **Trinity Infoway, Palghat, India.** June 2008
 - Developed an automated e-mail alert application which captures a pre-defined event from the database and sends appropriate structured email alerts to pre-defined recipients. This was implemented using C++ and MySQL.

Projects

- **Implementation of Google API's**
 - Implemented Google Map API to show the details of various TV stations Listings
 - Used AJAX and Java Servlets to invoke Perl scripts and extract XML data using Java DOM
 - Parsed JSON data to geocode the location of various listing stations and display details of the station in an Info bubble including the schedule and live program aired by the stations.
- **Data mining from Yahoo TV listing sever using CGI script in Perl**
 - Scraped data from yahoo domain by implementing server scripts in perl. Created and implemented an algorithm for XML Parser using DOM and User Query using Java Script.
- **Socket Programming Project**
 - Simulated a peer-to-peer file-sharing network connection using TCP and UDP sockets in UNIX (C++ Programming)
- **Created a dynamic selection user interactive webpage** to display the results of 2008 Olympics using HTML, XML DOM, and JavaScript.
- **Designed the front end of an E-Commerce website** using HTML,CSS and JavaScript
- Programming project on queuing system modeling: Simulated various types of queues and analyzed parameters like server utilization, average delay etc.