

## NIYATI JAIN

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### OBJECTIVE

Seeking a challenging, full-time software engineering position

### EDUCATION

North Carolina State University, Raleigh, North Carolina  
**Master of Science in Computer Science**

GPA: 3.50/4.0  
anticipated May 2011

University of Mumbai, Mumbai, India  
**Bachelor of Software Engineering**

First Class graduate  
May 2009

### RELEVANT COURSEWORK

Computer Networks, Operations Research, Object Oriented Design Principles, Internet Protocols, Web Development with ASP, Information System Security, Operating Systems Principles, Advanced Internet Protocols, Wireless Networks, Enterprise Resource Planning, LAN/WAN Design Principles, Artificial Intelligence, Office Automation

### TECHNICAL SKILLS

<b>Languages</b>	C, C++, C#, Java, VB 6, HTML, XML, ASP.NET, ASP, PERL, JavaScript, UML, SQL
<b>Databases</b>	Oracle 10g, SQL Server, MS Access
<b>Platforms</b>	Windows 9X /XP, DOS, UNIX, LINUX
<b>Networking</b>	TCP/IP, Routing Protocols, VPN, ATM, MPLS, CDMA/GSM/UMTS, Socket Programming
<b>Tools</b>	MS Office, Ethereal, ClearCase, NDoc, LaTeX, Fireworks, Photoshop, Dreamweaver

### RELEVANT EXPERIENCE

**Intern, NetApp**, Research Triangle Park, NC

May 2010 – August 2010

- Worked in the Performance Measurement and Quality Assurance team
- Created a software simulation of the scheduler used in the lab
- Evaluated performance and usage of lab equipment as part of the equipment utilization project
- Collected data, verified data integrity, provided solutions for representation of data, and provided solutions and fixes for problems

**Development Intern, Tata Consultancy Services**, Mumbai

May 2009 -- August 2009

- Designed, developed and tested features for Red Hat Network 4.10.0, released July, 2006
- Utilized Java, JSP/struts, Hibernate, HTML, CSS, XML as part of the project
- Ported previous Red Hat Network releases from Perl to Java

### COURSE PROJECTS

**TCP/UDP Connection Relay Agent:** Developed software for a relay server that transparently sits between an intranet and the Internet and intercepts TCP/UDP connections/packets and relays the same to the appropriate host.

**e-Commerce website:** Designed and developed an extensive website with support for e-commerce using HTML, ASP scripting, and Oracle backend. Used ASP to implement a key feature, the shopping cart, which allowed customers to purchase more than one item and provided billing facilities.

**OPNET Simulations:** Conducted simulations to analyze and optimize network performance based on delay, load and point-to-point utilization