

NISHANT SONONE

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EDUCATION

University of Southern California, Los Angeles

(Aug 2008)

Master of Science in Computer Science (GPA 3.73/4)

Relevant course work: Database Systems Computer Networks Security Systems
Web technologies Software Engineering Analysis of Algorithms
Artificial Intelligence Computer Communications

University of Mumbai, India

(May 2004)

Bachelors of Engineering, Electronics & Telecommunication

TECHNICAL SKILLS

Languages: C, Java, JCL (Job Control Language)
Web Technologies: JSP, web services, AJAX, HTML, DHTML, CSS, JavaScript, XML, XSL
Operating Systems: Windows, UNIX, Z/OS 01.04.00 (MAINFRAMES)
Application Tools: MS Office, QMF 7.1, TSO, ISPF, IDCAMS, Control-M, COCOMO, RSM Modeler
Databases: Oracle 9i/10g, DB2 8.1
Web Servers: Apache Tomcat

WORK EXPERIENCE (2 years)

Software Engineer-Intern, Akamai Technologies Inc.

(Jun 08-Aug 08)

- Designed & Implemented Security Certificate Creation Application using JAVA & gnupg.
- Implemented intuitive user interfaces to provide customers access to Akamai's large portfolio of Internet content and application acceleration services using JSP, AJAX, HTML, CSS, JavaScript.

Assistant Systems Engineer, Tata Consultancy Services

(Oct 04-Oct 06)

International Masters Publishers (Sweden) – (Module Leader)

(Apr 05-Oct 06)

- Designed algorithms for the flow of product cycle from product buying to delivery to customer
- Handled backup and restore Management, Database backups, Security, access control & User Administration
- Implemented Batch programming & scheduling of batch jobs for auto submission
- Monitored System Performance.

DRCM Bank of New York (USA) – (Module Leader)

(Dec 04-Mar 05)

- Developed & maintained securities trading & portfolio management modules for DRCM.

ACADEMIC PROJECTS

- **Cluster Computing:** Implemented Map-Reduce framework (a parallel computation system) on High Performance Computing Cluster using Network programming (sockets) & processes (fork) & UNIX development tools. Designed own simplified protocol to communicate between master and workers.
- **Spatial Database Project:** Designed and Implemented an Object Relational Database (Oracle 10g) with spatial data types. Designed a GUI in Java to query the Spatial DB.
- **Network Programming:** Implemented a peer to peer file sharing application using UNIX Network Programming in C. The design included a registration server and file sharing clients.
- **Website Development:** Designed and Developed a shopping website using JavaScript, JSP and web services. A valid user can select products from different manufacturers and add them to his shopping cart. The placed order is sent to logistics department for dispatch.
- **Data Compression using Huffman coding (Project Manager):** Designed and Implemented program codes for compressing and decompressing the text data according to the Huffman codes using 'C' programming. Produced a cable for serial data transfer through printer ports.
- **Development of Hunter-Gatherer Database (Project Manager):** Gathered and analyzed requirements of the client. Planned life cycle of the project. Estimated the development cost & schedule. Managed & allocated people/resources. Implemented different software engineering concepts.
- **Paper on 'The Internet Worms':** Presented a paper on 'The Internet Worms'. Described different types of worms. Surveyed distinct existing worms. Analyzed different worm detection and containment techniques.

ADDITIONAL

- Active member of IEEE-VESIT and IETE (Institute of Electronics & Telecomm. Engineers) (2001-2004)
- Coordinated various events in the college technical fest 'PRAXIS'. (2001-2004)
- Received the prestigious **J.R.D. Tata scholarship** for academic excellence. (2001-2002)
- Received 1st rank in Junkyard wars competition, Swami Vivekanand Institute of Technology, Mumbai (2002-2003)