Nidhi Praveen Jain

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EDUCATION

University of Southern California, Los Angeles, CA   **August 2013 - Dec 2014**
Masters in Computer Science, GPA 3.56/4.0
Coursework: Operating Systems, Information Integration on the Web, Information Retrieval and Web Search Engines, Advanced Data Stores
Analysis of Algorithms, Web Technologies, Database Systems, and Artificial Intelligence

Vidyalankar Institute of Technology, University of Mumbai, India   **August 2007 - August 2011**
Bachelor of Engineering in Computer Engineering, GPA: 3.9/4.0
Coursework: Distributed Computing, Computer Networks, Mobile Computing, Human Computer Interaction, Software Engineering, Data
Warehousing and Mining, E-Commerce.

TECHNICAL SKILLS

Programming languages: Java, C++, C, C#, MATLAB, SQL, PL/SQL
Web Technologies: HTML5, CSS3, JSP, JavaScript, JQuery, XML, PHP, AJAX, ASP .NET
Databases: Oracle11g, SQL Server, MySQL

WORK EXPERIENCE

Web Developer, School of Social Work, Los Angeles, USA   **October 2013 – Present**
- Working on creating web application and managing the database for their research project "Welcoming Practices", welcomingpractices.usc.edu and maintaining their website, www.buildingcapacity.usc.edu

Graduate Database Assistant, Graduate School, Los Angeles, USA   **March 2014 – May 2014**
- Wrote complex SQL queries, stored procedures, triggers and views for graduate school application databases. Created reports generated using the se queries for various surveys.

MathWorks, Framingham, USA   **June 2014 – August 2014**
Summer Interns
- Trained to use MATLAB and other toolboxes like Parallel Computing, Image Acquisition, Data Acquisition and Database toolbox.
- Worked on improvement of an internal web application, used for tracking bugs/enhancements, using JAVA, Servlets, JSP, Javascript.

Infosys Technologies Limited, Pune, India
Systems Engineer, Pune, India   **June 2012 - August 2013**
- Worked in a team of 45 members on project management tools like **CA Clarity PPM and Microsoft SharePoint.**
- Worked for **GSK** project to provide backend to their web application, using Clarity. We made processes to control the flow of events and web service calls were made to transfer data using gel scripting
- Part of the **Mobility** team, worked on creating a mobile version of Clarity for BB and iPhone. We made web service calls to transfer data between the tool and the application using complex SQL queries with the help of **MConnect framework**. Technologies used - Java, XSL, SQL

Systems Engineer Trainee, Mysore, India   **February 2012 - June 2012**
- Developed an **"e-garage"** and a **health insurance company web application** using Java, Oracle server and GUI developed using JSF.
- Implemented modules in Java and performed JUnit testing for developing enterprise applications. Used JPA for ORM.

PROJECTS

University of Southern California, Los Angeles, USA   **August 2013 - September 2014**
- **Information Integration on the web –** Working on scraping datasets from websites using scraper tools like JSoup, HTMLUnit. Further, using this data to create RDF graph and Turtle Triples.
- **Information Retrieval and Web Search Engines -** Worked on extracting data from websites, crawling the world wide web using **Apache Tika and Nutch**. Developed PDF Parser and Extractor and developed a search engine using **Apache Solr**.
- **Advanced Data Stores -** Worked on **benchmarking** various data stores like HBase, Cassandra, VoltDB, Voldemort using BGBenchmark tool. Implemented memcached on Neo4J for performance improvement during read operations.
- **Web Technologies** - Created an **Android** application that displays weather forecast and allows to post the same on Facebook. Used PHP for server side scripting and deployed the app using AWS.
- **Database Systems** - Created an application that uses **spatial database** to display results of queries. Used JAVA and SQL for backend and Swing for GUI design.

Vidyalankar Institute of Technology, Mumbai, India   **January 2010 - June 2011**
- **Final project** - Developed a **game** "Rajni Physics" using **Microsoft's XNA framework** in C#. Used Pivot for stick animations.
- **Web Engineering** - An online class for entrance exam developed using HTML and ASP.
- **E-Commerce** - An online store developed using HTML, ASP and AJAX on WAMP Server.