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| **Naineesha Rao** | |
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**Summary of Qualifications**

* 1+ years of industry and 4+ years of academic experience in web application development using HTML5, CSS3, Bootstrap, JavaScript, JQuery, AJAX, XML, XSL, JSON, PHP and ASP.NET.
* Excellent project documentation skills which includes creation of solution specifications, application control documents, design documents which constitute UML modelling etc.
* Expert in database concepts and strong in writing fine-tuned SQL queries.
* Participated in scrums and advanced experience with agile SDLC methodologies.
* Skilled in establishing strong relations among project’s teams, team members etc.

**Summary of Technical Knowledge**

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| Languages | JAVA, J2EE (JSP & Servlet), PL/SQL, C++, C#. **Scripting:** JavaScript |
| Tools and utilities | **Tools** - Weka 3.7, Rational Rose, MS Visual Studio, Abode Photoshop, ColdFusion, Dreamweaver, WordPress, Microsoft Office Suite, Sublime Text, Microsoft Visio.  **IDE** - Eclipse, NetBeans.  **Version Control** - GitHub. |
| Database | Oracle 11g, MySQL, SQL Server. |
| Operating Systems | Windows XP/7/8, Linux Red Hat, Unix |
| Web Technologies | HTML 5, CSS, Responsive CSS, AJAX, JSON, XML, XSL, XPATH, PHP. **JavaScript Libraries:** AngularJS, jQuery, Bootstrap. **Framework:** ASP.NET. **Web Services**: SOAP. |

**Educational Background**

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| **MASTER OF SCIENCE IN COMPUTER SCIENCE MGPA - 3.7**  **University of North Texas, USA May, 2016**  Major Courses: Algorithms and Analysis, Advanced Distributed Computing, Multi-Media Database Systems, Human Computer Interface, Data Mining, Pattern Recognition, Database Systems, Secure Electronic Commerce.  **BACHELOR'S IN INFORMATION TECHNOLOGY MGPA - 3.7**  **Jawaharlal Nehru Technological University, India May, 2014** |  |
| * Major Courses: Software Engineering, Data structures and Algorithms, Distributed Systems, Computer Architecture, Design Patterns, Operating Systems, Web Programming and Services, Computer Networks |  |

**Work Experience**

**Graduate Teaching Assistant Dec, 2015 to Present**

**University of North Texas- College of Engineering**

* Assisted my Professor Dr. Mark Thompson with the course: **CSCE 1030(C++ programming).** Helped in setting up Labs/System to work with Linux/Unix. I also played a key role in designing the assignment rubrics and ideas related to projects.
* Also worked as an Instructional Assistant under Dr. JungHwan Oh for the course **CSCE 5933 (Multimedia Computing**). Provided students helpful and informative feedbacks on their projects and assignments that can help them to understand the concepts well.

**Directed Study with Dr.** [**Xiaohui**](javascript:toggleDescription('29');) **Yuan.**

**University of North Texas- College of Engineering.**

* Extensive research in the area of Computer Vision and Intelligent Systems. As a part of research I conducted a full-fledged survey on the existing and newly emerged No-Reference Image Quality Assessment Techniques and let light on the future scope of research.
* Research works are simulated using Python and Matlab.

**Teaching Assistant May, 2015 to Dec, 2015**

**University of North Texas- College of Business**

* Worked as a Teaching Assistant with Professor Dr. Melody White for **BCIS 4670 (XML Web Development)**
* As a part of the course I built a web project using the XML technologies like XML, XSL, XSD and XPATH.

**Tutor/Grader Aug, 2014 to May, 2015**

**University of North Texas- College of Business**

* Worked as a Teaching Assistant for a **BCIS 5420 (Database Management Systems).** Helped the students in building an Application using Oracle Application Express and also modeling UML diagrams using Microsoft Visio.
* Assisted my professor Dr. Bin Mai with tutoring and grading of assignments and projects related to PL/SQL well as clarified students doubts related to Oracle 11g and SQL developer.

**Web Developer Intern Sep, 2013 to Jul, 2014**

**Venky’s (India) Ltd, Pune, India**

Venky's Limited is a subsidiary of V H Group, an Indian company that specializes in chicken meat processing, and pharmaceutical products for both poultry and human usage.

*Responsibilities*

* Worked on HTML, CSS, and JavaScript to develop web pages.
* Developed the application which is responsive to different screen resolutions using Bootstrap JQuery mobile and CSS3 media.
* Developed CSS templates and modified designs, templates for better user interaction and understanding.
* Wrote code to consume the JSON data as a part of AJAX calls and update the DOM.
* Communicated and was involved in testing with QA team which involved cross browser testing, loading and performance checking.
* Tested for vulnerabilities in the source code and did bug fixing. (Selenium, JsUnit).

*Environment: HTML 4, JavaScript, Bootstrap, AJAX, CSS 2/3, JSON, JQuery Agile Testing and GitHub.*

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| **Application Developer** | **Aug, 2011 to May, 2013** |

**Dept. of Information Technology, Jawaharlal Nehru Technological University**

* Extensive research in the area of Networks and Quantum Cryptography. As a part of research for a IEEE paper:

**“An Approach to Requirements Elicitation and Analysis using Goal”** I helped Dr. Narender Reddy with the case study

* Research works also includes contribution to a published paper named **“Agile Programming and Design Patterns in Web Development -A Case Study”**
* Maintain the webpage of the Placements cell in the official college website.

**Projects**

**1. SureKart**

* Creating a secure E commerce website which has the various aspects like catalog browsing, shopping cart and Payment system. The main aim also includes keeping the website safe from hackers.

Technologies Used: *HTML/CSS, Bootstrap, WordPress, PHP, My SQL*

**2. UNT Online Examination System**

* The main objective of this web based online examination system is to efficiently evaluate the student thoroughly through a fully automated system that not only saves lot of time but also gives fast and accurate results.

Technologies Used:*HTML/CSS, JavaScript, PHP, My SQL*

**3. Web based fee Reimbursement System**

* Students who work in an educational institution like UNT can fill the form online and submit it so that the form is sent to Human Resources Department (HPD) through Internet. At HPD, the form needs to be checked automatically by a program which will compute the amount that needs to be reimbursed to the employee for the treatment undertaken.

Technologies Used: *ASP.Net, C#, SQL Server*

**4. TCO calculation for public IaaS Cloud Computing Service**

* The aim of this project was to present a formal mathematical model for the calculation of the Total Cost of Ownership (TCO) approach for Cloud Computing Services based on simple estimation considering the case study.

Technologies Used: *JAVA, Servlets, JSP (front end), Oracle (back end) and Apache tomcat server.*

**5. The Caring Connection**

* My website is designed for elders from INDIA, which enables them to choose their own caregiver in USA by filling a form stating their requirements so that the admin can get back to them with the right choice of a caregiver matching the needs.

Technologies Used:*HTML/CSS, JavaScript, AngularJS, PHP, My SQL.*

**Awards**

**2014 & 2015** – Toulouse Graduate School Tuition Benefit Scholarship.

**2016** - Toulouse Graduate School Tuition Benefit Scholarship and Texas Public Educational Grant (TPEG).

**Activities**

Active committee member of Indian Students Association at UNT. I was a part of the committee which created and maintained the official UNT website and designed brochures for the upcoming events hosted by ISA- UNT.

**References**

References provided upon request.