**PRASANNA THOTAKURA**

[tsatyaprasanna26@gmail.com](mailto:tsatyaprasanna26@gmail.com) | 631-885-7478 | Aldie, VA

**------------------------------------------------------------------------------------------------------------------------------------------SUMMARY:**

* Experience in Software Analysis, Design, Development, Implementation and Testing of Web based applications using Java/J2EE.
* Knowledge in Agile methodologies and Waterfall Software Development Process.
* Ability to develop web applications using HTML5, CSS3 and JavaScript.
* Has profound knowledge in User Interface driven application design and development using JavaScript.
* Good understanding of data modelling concepts like ER Diagrams, UML, Normalization of Tables.
* Knowledge in working with relational database Systems, MySQL.
* Knowledge in creating tables, DDL/DML triggers, views.
* Clear understanding of CSS principles to create scalable and maintainable cross browser code.
* Experience in developing applications using different IDEs like Eclipse.
* Knowledge on TDD, Junit and Selenium.
* Strong communication, collaboration & team building skills with proficiency in grasping new technical concepts quickly.

**EDUCATION:**

* **Master of Science in Computer Software Engineering December 2018**

George Mason University, Fairfax, VA. **(GPA 3.53/4.0)**

* **Bachelor of Technology in Computer Science May 2014**

Jawaharlal Nehru Technological University Kakinada, India. **(GPA 3.67/4.0)**

**CERTIFICATIONS:**

* Oracle Certified Associate, Java SE 8 Programmer **August 2018**

**TECHNICAL SKILLS:**

* **Languages** : C, Core Java.
* **Applications** : Eclipse, SQL\*Plus, SQL Developer.
* **Databases** : Oracle, MySQL.
* **Frameworks/APIs** : AWS, Docker, Kubernetes, Rest API, Junit, AngularJS, node JS.
* **Tools/Editors** : Magic Draw, Microsoft Office, Brackets, Postman, VSC, Pycharm.
* **Web Technologies** : HTML5, XML, CSS3, JavaScript, JQuery, Ajax, Restful Web Services.
* **Operating Systems** : Windows, LINUX.

**PROFESSIONAL EXPERIENCE:**

**Graduate Teaching Assistant, Computer Science Department, GMU Jan 2018 – Dec 2018**

Assisted Professor with the course work for Software components for World Wide Web using HTML5, XML, CSS3, JavaScript, JQuery, Ajax, and Restful Web Services.

**Responsibilities**

* Responsible for creating web applications and presentations for home works.
* Worked with faculty in redesigning the course.
* Created folders for students in college server to store their work and change access permissions.
* Assisted students with solutions for problems they faced while developing the web applications.
* Mentored class of 40 students and held one on one interactions in office hours.

**Graduate Grader, GMU Aug 2017 – Dec 2017**

Assisted Professors with the courses Software Project Management and Distributed Software Engineering.

**Responsibilities:**

* Created folders for students in college server to store their work and change access permissions.
* Gave necessary inputs for the course redesign.
* Mentored 80 plus students with doubts in their assignments and graded them.

**ACADEMIC PROJECTS:**

**Hospital Database Management August 2018**

Designed and developed database for hospital management system.

**Responsibilities:**

* Translated the information given in to ER-diagram and Derived Relational Schemas from the ER-diagram.
* Created test scripts from the relational schemas and added tuples in to the tables and also inserted data that exercises the queries.
* Wrote SQL queries to extract data from various tables and executed them.

**Survey Website for Computer Science Department January 2018**

Designed a website for computer science department of George Mason University that allows students to provide information and feedback about their visit to campus.

**Responsibilities:**

* Used advanced level of HTML5, JavaScript, CSS3 and pure CSS layouts (table less layout).
* Used JSON with jQuery for Request data and Response processing.
* Involved in enhancing the application using JSP, JavaScript and cookies.
* Used Tomcat Server and AWS (EC2/S3) to store the files and to deploy the application.

**Rent-it August 2017**

A website UI is designed with internationalization standard that allows the users to rent the clothes. Project not only concentrates on UI but also on UX.

**Responsibilities:**

* Writing code in HTML, CSS, jQuery and JSP making use of Bootstrap framework.
* Followed strict MVC patterns for improved source code maintenance and enhanced performance.
* Worked through cross browser compatibility issues with layout and styles for all new CSS that was implemented.

**Taxi Tracking and Dispatching System August 2017**

Designed a client/server system that gives users an idea and understanding of how a taxi company works. **Responsibilities:**

* Involved in enhancing an existing application by adding on new features to the system.
* Created UML diagrams from existing system to create web-app.
* Lead a group and prepare presentations for demonstrating each phase.
* UsedMagic Draw tool to model diagrams (Use case, sequence, class diagrams).

**Smart, Simple and Secure Banking January 2017**

Designedand developed an ultramodern Advanced Automated Teller Machine (AATM) that would improve the existing features and satisfies user requirements.

**Responsibilities:**

* Designed an AATM that has functional capabilities that improves the effectiveness.
* Lead the team in discovering new features and Negotiated for resources.
* Completed the project on time and within budget, Developed and controlled the project plan.
* Monitored the schedule, cost, and infrastructure.
* Maintained control over the project by measuring performance and managed risks by taking corrective action.