**Vamshi Goud Valdas**

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**EDUCATION:**

* **University of North Carolina at Charlotte Jan 2019 – Dec 2020**

Master of Science in Computer Science GPA: 3.9/4.0

* **Jawaharlal Nehru Technological University Hyderabad**   **Sept 2014 – April 2018**

Bachelor of Technology in Computer Science GPA: 3.4/4.0

**TECHNICAL SKILLS:**

* **Programming Languages** : Java, Java Script, Python, C, C++.
* **Web Development** : HTML5, CSS3, Node.js, JSP, Servlets, jQuery, XML, JSON, AJAX, Express.js, bootstrap.
* **Frameworks/Tools** : J2EE, Spring Boot, MVC, Rest, Hibernate, Tableau, Django, Weka, React.js, SCRUM.
* **Database Skills/cloud** : MySQL, MongoDB, Oracle, SQL, PostgreSQL, AWS, Cloudera, Azure.
* **IDES** : Visual Studio, Net Beans, Pycharm, Eclipse Mars, Atom, JupyterNotebook, Intellij.
* **Version Control** : Git and SVN.

**WORK EXPERIENCE:**

**Graduate Teaching Assistant, UNC Charlotte Aug 2019 – Dec 2020.**

* Taught the course **Logic and Algorithms** for undergraduate students. Conducting **coding lab sessions** and **in class activities** that required profound knowledge of **algorithms and data structures** and holding office hours for solving their queries.
* Taught the course **software systems design and implementation** for graduate students. Job required extensive knowledge of software development process, **software development methodologies, software design** and documentation**, SDLC.**

**Software Engineer Intern, VG Infra Pvt LTD, Chennai, India** **April 2018 – Sept 2018.**

* Developed VG infra website and responsible for **Database administration,** content updates and ensured **website performance** and **user experience.** Understanding website requirements and participating in activities like gathering business requirements.
* Created **POJO’s**and **DAO’**s for the database entities using **Spring JDBC annotation mappings.**
* Used **Spring Core annotations**for **Spring Dependency Injection, Spring MVC** for **Rest API’s** and **Spring Boot**for **microservices.**
* Hands on experiences with **Core Java** with **Multithreading, Concurrency, Generics, Data Structures and Collections.**

**Software Engineer Intern, Karvy Corporate, Hyderabad, India** **April 2017 – Sept 2017.**

* Collaborated with the developers to **test** the **programming code** and applications, utilized **Java, Eclipse / J2EE** to work with the team and management.
* Implemented frameworks like **MVC** and developed views using **Java, HTML5, CSS, JSP and JavaScript.**
* Implemented and managed **MongoDB** for data management and security processes.
* Worked in software development using **Agile/Scrum** development process. Participated in **Scrum meetings** and in iterative development of the project. Attended Sprint reviews and Sprint retrospective and delivered efficient results every sprint.

**ACADEMIC PROJECTS:**

**Fitness Buddies (Node.js, MongoDB, EJS, HTML, CSS,** **Mongoose, Express session)**

* Developed a **web application** for fitness enthusiasts where the users can create, update and delete the events.
* Implemented **NodeJS** module Express for session handling, data was handled by using **async-await asynchronous request/response** from database and **salt hash passwords** for secure login.
* Persisted data from **MongoDB** using **Mongoose ORM** and Styling of the webpages was done by using **CSS 3**.

**Restaurant Web Application for enhancing customer service (React.js, JavaScript, Html, CSS)**

* Developed a **web application** for restaurants where the customers can view the menu, provide feedback, rating and reserve tables according to their desired time slots in order to reduce unpredictable waiting time in the restaurants.
* Implemented **ReactJS** library where **react-router** was used to routing the requests and **react strap** was used to design the web pages of the application.

**Map Coloring Problem (Artificial Intelligence |JAVA, Html)**

* Implemented Constraint Satisfying Problems concept in this project to color the USA and Australia maps, one to each country, in such a way that no two countries sharing a border have the same color.
* Implemented the map coloring problem using methods Depth first search, Forward checking, Propagation through singleton and reduced domains, and heuristics namely Minimum remaining values, Degree constraint and Least constraining value.

**User Behavior Analysis in structured e-commerce websites (Java, components used: awt, swing, JFree chart)**

* Analyzed user behavior by using linear temporal logic-based model checking approach using **Java**, **Java AWT and Swing**.
* Downloaded weblogs of an e-commerce website and after cleaning the Dataset we observed the **navigational patters** using which the behavior of a user was determined and **sessions chart** was used to graphically represent **Behavioral patterns.**