**SANJAY SATHWIK TAMVADA**

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**EDUCATION**

**University of North Carolina at Charlotte**  **Dec ‘19**

Master of Science, Information Technology GPA: **4.0/4.0**

**Relevant Coursework:** Network Based Application Development, Human-Centered Design, Data Structures and Algorithms, Information Technology Project Management, Applied Databases and Cloud Computing for Data Analysis.

**GITAM University May ‘18**

Bachelor of Technology, Computer Science and Engineering GPA: **8.13/10**

**TECHNICAL SKILLS**

**Programming Languages:** Java, Python, C++, JavaScript (ES6) , TypeScript

**Web Technologies:** Node.js, Express.js, Backbone.js, D3.js, Angular 7, React.js, Redux, REST API, jQuery, JSON,XML, CSS, SASS, Bootstrap, HTML5

**Databases:** MySQL, MongoDB, Firebase, SQLite

**Big Data Ecosystems:** HDFS, MapReduce, Spark, HBase, Hive, Pig

**Version Control:** Git

**Software Tools:** Tableau, Microsoft Project, Microsoft Office, Visual Studio Code, NetBeans,

PyCharm

**WORK EXPERIENCE**

**Adeptude Technologies Pvt Ltd, Visakhapatnam, India**  **Jul ‘17-June ‘18**

**Intern- UI/UX Developer**

* Generated requirement analysis documents (RAD) based on stakeholder interaction
* Developed user friendly UI using HTML5, CSS, SASS, Webpack, jQuery, Node.js, React.js and implemented DOM Manipulations. Followed ES6 standard while coding JavaScript.
* Implemented OLAP queries and optimized SQL scripts in MySQL and maintained code repository using Git.
* Performed user experience design techniques for better usability of the product

**Intern- Web Development Team, Indigenius Pvt Ltd , Visakhapatnam, India**  **May ‘17- June ‘17**

* Designed responsive UI for the company’s website using HTML5, CSS, Bootstrap, jQuery and JavaScript

**ACADEMIC PROJECTS**

**Content Sharing Full Stack Web Application**

* Implemented an MVC Architecture for the application and designed a responsive UI.
* Created model classes and implemented a NoSQL design for data handling. Used JS Promises for asynchronous db calls and binding of JSON data to the front-end.
* Hashed and Salted passwords for secure login and scaled the application by performing request validation and output sanitation.
* **Tools:** Node.js, Express.js, Express-Sessions, bcrypt, Express-Validator, MVC Framework, MongoDB, HTML5, CSS, Bootstrap, Visual Studio Code.

**Applied Databases**

* Designed the E-R Diagram, Workflow, UML Diagram, indexes, stored procedures, for a sample medical record database.
* Developed optimized SQL scripts and triggers in MySQL.

**Human-Centered Design**

* Researched market needs and came up with a problem statement for developing a web application. Created efficient design and usability goals.
* Developed a prototype and conducted discount evaluation, cognitive walkthrough and heuristic evaluation on multiple users to validate the prototype.

**Information Technology Project Management**

* Documented scope, constraints and assumptions for a two-factor authentication security system on UNCC campus. Created a Work Breakdown Structure, Timelines and Milestones for the project.
* Designed a risk management plan and a quality management plan. Incorporated an Agile approach throughout the project

**VOLUNTEER EXPERIENCE May ’05-Present**

* Member of the ‘Art of Living’ foundation. Participated as a volunteer in several food distribution and blood donation drives.