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.