Manjushree Madhava Rao Ramachandrahosur

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Accomplished Software Developer with 3 years of experience in Healthcare Industry. Highly instrumental in all phases of the SDLC, with expertise in algorithms and data structures. Successful in developing bespoke solutions, optimizing business procedures, processes, and productivity. Pursuing graduation in computer science with significant experience using C, COBOL, Python, Java and SQL. Looking for a full-time opportunity as an IT professional in your esteemed institution.

WORK HISTORY

Software Development Senior Associate,

October 2017 to December 2020

NTT DATA Global Delivery Services Ltd – Bangalore, India

- Developed and maintained Claim cycle as a full stack developer. Worked on Database management, Production issue immediate solution, Dashboard development, process management and Enhancement.
- Worked in Waterfall and Agile Methodologies for development.
- Followed test driven development.
- Trained and managed a team of 4 new college graduates and discussed issues to provide resolution and utilize best practices.

NCE Graduate Associate
September 2021 - currently
New Jersey Institute of technology

- Designing a website for ASEE MAS conference using HTML and CSS
- Analyzing the modules of the course "Fundamentals to Engineering" to create and grade assignments of the students.

ACADEMIC PROJECTS

1. **Website designing:**

This project was created as a part of the web application assignment to demonstrate a working website that provides "History of the internet". Used HTML/CSS, Bootstrap, Python and Github.

2. **Database management project:**

This project aimed at computerizing the manual process of Car-dealership system. Front end and backend are implemented using HTML and MySQL respectively. Along with the JSP program to analyze the program.

3. **IoT-based Gas Leakage Alarm:**

This project aimed to develop a gas detection system with the MQ5 Sensor, and NodeMCU. BLYNK is an Internet of things (IoT) application that is used to check the gas level or leaks.

4. **Evaluating Classification algorithm using python:**

This project did the comparison between Naive Bayes, Random Forest and K-Nearest Neighbor algorithms, of accuracies.

5. **MSER based OCR technique:**

This project presented a simple, efficient, and less costly approach to construct OCR for reading any document that has fixed font size and style or handwritten style. To achieve efficiency and less computational cost, OCR uses a database to recognize English characters which makes this OCR very simple to manage. Used python for the project development.

6. **Traffic rules check using Piezoelectric Sensor and Image processing:**

Efficient software used for a labor free way to inspect traffic rules based on Piezoelectric sensor identification placed at signal crossing lines and Image processing used to capture the number plate of the vehicle. This data collected is processed by the algorithm in the software to note the violation and recognition of the vehicle owner to send out notice.

SKILLS

- **Programming**: C, C++, COBOL, Java, Python, MySQL, HTML, CSS
- **Tools**: MS suite, GitHub, Jupyter Notebook, Docker
- **DBMS**: Oracle, SQL Server, and MS SQL
- **OS**: Windows, Linux/Unix
- **Soft skills**: Organizational, Teamwork, Communication, Event manager, Self-development, and time management skills.

EDUCATION

Master of Science: Computer Science, Currently **GPA: 3.5**
New Jersey Institute of Technology – New Jersey, United States of America