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SAI VAIBHAV MEDAVARAPU

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EMPLOYMENT:

Summary: Professional work experience in Web Development, leading and teaching with solid understanding of software development life cycle.

Head Teaching Assistant	**Texas A&M University, Corpus Christi**	**Aug'18-Present**

- As a head Teaching Assistant, I conducted bi-weekly meetings to discuss and solve any issues of TA's.
- Assigning the TA's to respective courses to teach as per their course work schedule.
- Maintaining the frequently asked questions sheet to focus on issues faced by students and passing the feedback to lecture professor.
- Plotting the graph of Programming Assistant Lab check in and checkout timings. and allocating TA's during the busiest slots by observing the patterns.

Teaching Assistant	**Texas A&M University, Corpus Christi**	**August'17-Present**

- As a graduate teaching assistant. I assist lecture professor in Labs (Data Structures Using C++)
- Helping the students to build the logic for their lab activity, programming assignments, debugging code.
- Grading the students programming assignments by checking all possible errors and assigning the grade.
- I assist students for a variety of languages viz., C, C++, JAVA, Python and COBOL.
- Apart from these I assist in Machine learning concepts, network programming and usage of Linux environment.

Full Stack Intern	**SP Global Solution**	**Jan 17 – June'17**

- Responsible for development of webpage for Health services using HTML5, Bootstrap and Angular. Firstly, worked on the print module, where the user should be able to print from the webpage without downloading.
- Worked on User authentication module to create a form and Http Authentication using JSON Tokens.

EDUCATION:

- Master of Science, Computer Science, Texas A&M University, Corpus Christi, TX.   **GPA 3.7/4.0 (May'19)**
- Bachelor of technology, Computer Science, JNT University, Hyderabad, India.   **GPA 3.4/4.0 May 2017**

Graduate Coursework: Algorithms & Data structures, Machine Learning, Advanced Topics In DBMS, Information Theory, Advanced Analysis of Algorithms, Advanced Operating Systems, Mobile Software Development, Current Trends in Programming, etc.

PROJECTS: OTHERS CAN BE FOUND ON WEBSITE

Object Detection Using Faster RCNN: YOLO (You Only Look Once)   **Implementation**

- Machine learning based computer vision project where I developed the entire code and connected the YOLO to my webcam and ensured it maintains the real-time performance and display the detections. I used Python, OpenCV and Pytorch in this project.

Portfolio Website Using Angular:

- Website which describes my portfolio with Home, Experience, Education, Projects and Testimonials Components built on top of app component which uses Angular 7 and Mdn bootstrap for designing.

Diabetes prediction and Detection:

- A python project which predicts the diabetes of the patient other health conditions using the trained data found from PIMA dataset of Arizona diabetes patients by using the logistic regression. Implementation can be found in my GitHub.

Student Knowledge Site: Full stack web application using JSP and MySQL

- Java based web application with Admin and Student modules which lets user register and use authentication to sign user in. With several modules viz., Placements, Feedback to faculty, Library management, etc.

HONORS AND AWARDS:

- **TAMUCC Scholarship:**

  Receiving a scholarship among 2000 applicants is definitely a pat on my back at that juncture. It elevated my confidence with minimal strain on financial aspect.

- Worked as Indian Students Association treasurer and increased the funds by 30% in my tenure.

TECHNICAL SKILLSET:

- HTML 5, CSS3, Javascript, Angular 7, D3.JS, Bootstrap, jQuery.
- Bower, Grunt, Bamboo, Karma Unit tests, Java, Python, C++, C#.

GitHub: link.
Linkedin: link