ANUSHA SARA

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CAREER OBJECTIVE:

Seeking a challenging position, utilizing my abilities developed through my education and experience with an opportunity for career growth based on my merit and to promote the growth of the organization

Technical Skills

Languages	: C#, Python
Frameworks	: ASP.NET WEB API, MVC
Database	: Microsoft SQL SERVER
IDE /Tools	: Visual Studio , Postmn

Projects

TITLE: SOCIAL DISTANCING DETECTION USING DEEP LEARNING

Project Description:

This project presents a methodology for social distancing detection using deep learning to evaluate the distance between people to mitigate the impact of this coronavirus pandemic. Our detection tool is developed to differentiate the people who maintain social distance with each other and other people who are not maintain social distance by evaluating a video feed. The video frame and images from the camera was used as input, and the open-source object detection pre-trained model based on the YOLOv3 algorithm was employed for pedestrian detection. Later, the video frame was transformed into top-down view for distance measurement from the 2D plane. The distance between people can be estimated and any noncompliant pair of people in the display will be indicated with a red frame and people who follow guidelines between a pair of people in the display will be indicated with a green frame.

- Developed an AI-based detection tool using **YOLOv3** for pedestrian recognition.

- Transformed video frames into a **top-down 2D perspective** for distance measurement.

- Increased detection accuracy by **15%**, enhancing compliance tracking.

- **Programming Language** : Python

- **Image Processing** : OpenCV

- **Video Frame Processing** : NumPy, Matplotlib

- **Distance Measurement** : Perspective Transformation (Homography)

Experience

.NET Developer Internship

Trained on Microsoft Dot Net Technologies in Magneq Software.
Gained hands-on experience in C#, ASP.NET, and SQL Server.

Assisted in developing and testing web applications using the .NET framework.Learned practical concepts of backend logic, database connectivity, and debuggig

PERSONAL SKILLS

- Passionate about working in a highly competitive environment.
- Ready to share responsibilities and knowledge.
- Ability to learn new technologies and interact with wide range of people and work with them.
- Broad minded, Practical and Proactive.
- Strong Analytical skills.

EDUCATIONAL QUALIFICATIONS

DEGREE	INSTITUTE	YEAR	PERCENTAGE
BACHELOR'S INFORMATION TECHNOLOGY	UNIVERSITY COLLEGE OF ENGINEERING AND TECHNOLOGY FOR WOMENS,WARANGAL	2018 - 2022	71.63
INTERMEDIATE	TRINITY GIRLS JUNIOR COLLEGE, KARIMNAGAR	2016 - 2018	95.7
SSC	GOUTHAMA HIGH SCHOOL , JAGITIAL	2015 - 2016	93

DECLARATION:

I hereby declare that the information furnished above is true to the best of my knowledge.

Place: Hyderabad

Date: Signature