

Internship Assignment: Computer Vision Analysis on Basketball Video

Congratulations on being selected for the next round of internship program for our exciting project based on computer vision! Your task is to perform an analysis on the attached video using computer vision techniques. The video showcases a basketball player performing dribbling drills.

Objective: Utilize computer vision techniques to extract meaningful insights from the video of a man performing basketball dribble.

Assignment Details:

Analysis: Identify two or more metrics that you can measure from the video using computer vision techniques. E.g. count the number of dribbles performed by the player. More the better.

Implementation: Implement your chosen analysis using appropriate computer vision libraries like the OpenCV, etc. You are free to program in any programming language of choice. Accuracy matters.

Documentation: Document your analysis methods, algorithms used, and any challenges faced during implementation. Provide clear explanation and code documentation for each analysis task.

Creativity: Feel free to explore additional analysis tasks beyond the provided examples. Be creative and innovative in your approach to extract insightful information from the video.

Video Link:

<https://drive.google.com/file/d/1DNgttDyS26NW5SGtiN90jCFN1osXI4V/view?usp=sharing>

Deadline: The deadline for submitting your completed analysis and presentation is February 18, 2024, at 11:59 pm. Late submissions will not be accepted.

Submission Instructions: Please submit your completed analysis, code (GitHub link) and documentation, via email to sumitj@proschooolonline.com, Bangalore.academics@proschooolonline.com,

Evaluation Criteria: Your submission will be evaluated based on the following criteria:

Accuracy and effectiveness of analysis tasks

Optimization of code

Clarity and completeness of documentation

Creativity and innovation demonstrated in the analysis

Good luck, and have fun exploring the exciting world of computer vision! If you have any queries with the above assignment, feel free to connect with Riya (+91-7411039085, +91-7483757945).

Note: If you clear the assignment round, we will have one final interview round. Internship start date would be 1st March.

Thank You.