

Target UPSC, Pune.

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To Whomever It May Concern

Date: 25 Dec 2023

Internship Certificate

This is to certify that **Harshit Raj** has successfully completed an internship at **TargetUPSC** as a part of the project '**Mobile OMR Grader**'. Harshit was an integral part of our team during the internship period from **1st November 2023 to 25 December 2023**.

Harshit Raj, during his internship at TargetUPSC, played a pivotal role in the development of the Software to read images of OMR sheets and implement the grading scheme. His proficiency in **image processing** was evident as he utilized the **OpenCV library in Python** to execute tasks such as template matching, resizing, image enhancement, cropping, and contour detection.

Harshit demonstrated a deep comprehension of **computer vision** principles, effectively utilizing homography transformations to correct distortions and ensure precise alignment of images. He also trained a **CNN** on a custom dataset to predict the correct results.

Harshit's dedication, problem-solving abilities, and enthusiasm significantly contributed to the successful reaching a milestone in the course of the project. His commitment to learning and applying cutting-edge technologies made him a valuable asset to our team.

We extend our best wishes to Harshit Raj for his future endeavors and commend his outstanding performance during the internship.

Sincerely,



Dr. Sudarshan Lodha.
Managing Director and
Mentor. Target UPSC.