IV. CONCLUSION

A cloud-based image recognition SDK is developed to scan the product using a smartphone. This work shows the detailed research methodology and the development flow of the proposed SDK. Based on the study of the current state of the art image recognition algorithms, this research demonstrates an efficient and robust image recognition services which is capable of detecting noise free, partially blurred, dark and occluded images with lower price compared to Vuforia SDK. The contribution of this work can be applied to both; the scientific body of knowledge in the form of improved algorithms and research framework as well as towards the development of industrial applications in various domains. The improvement of the proposed SDK will be further demonstrated and validated using execution time for matching, robustness, used memory space and user statistics compared with state of the art image target applications and SDK's in the future work.

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