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Currency Detector Android Application for Visually Impaired People

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Abstract: *Not everyone in this world can see the colors or even the light from his/her eyes. These people are known as visually impaired people. Visually disabled people are partially sighted or completely blind. These types of people face many problems in their day-to-day life, including transactions through money. Every category of currency is different from the others, and the difference can be noticed through the naked eye. For visually challenged people, it is hard for them to differentiate between the notes. Higher organizations or institutions like Banks have expensive hardware machines that can easily determine the difference between original and fake notes. The technology used in those machines is not handy or cost-efficient. So, to overcome this issue, this project can help the visually disabled person recognize the currency notes using a mobile camera.The system will be developed as an Android application and will use high-performance image processing techniques.*

Keywords: Currency identification, visually disabled, TensorFlow, Android application, Image processing techniques.

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