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# Real Time Approach for Face Mask Detection using CNN

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Abstract: With the horizon still brim-full, effective solutions to contain the COVID-19 pandemic require close attention to reduce severely impacted communal health and worldwide economy. Many approaches are advised by WHO to manage the infection rate and avoid depleting the limited medical resources in the absence of effective antivirals and inadequate medical resources. Wearing a mask is one of the non-pharmaceutical interventions that can be utilised to reduce the principal source of SARS-CoV2 droplets ejected by an infected person. Regardless of debates about medical resources and mask varieties, all countries require public use of nose and mouth coverings. This strategy intends to develop a highly precise and real-time technique that can efficiently detect non- mask faces in public, hence mandating mask usage. For mask detection, the proposed strategy uses a convolutional neural network-based approach.

### Keywords: CNN

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