



Mask- No Mask Detection

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INTRODUCTION

Problem Statement



Result

Mask or No mask



Process

Preprocessing
Building model



CONCLUSIONS

Future work

INTRODUCTION

COVID-19 changes our lives and makes wearing a face mask is the new norm.





PROBLEM

We want to detect if the person is wearing a mask or not.

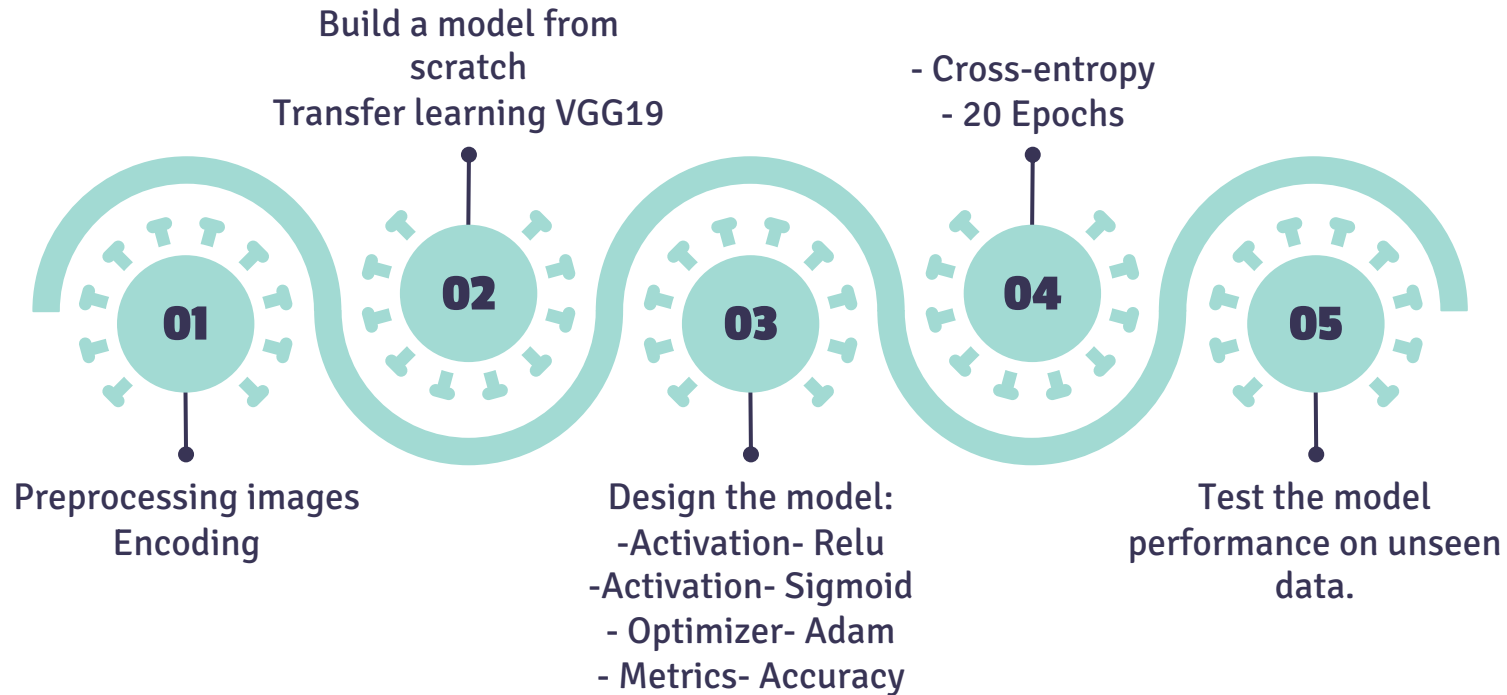


SOLUTION

Develop a CNN that helps in detecting the mask presence in each image.

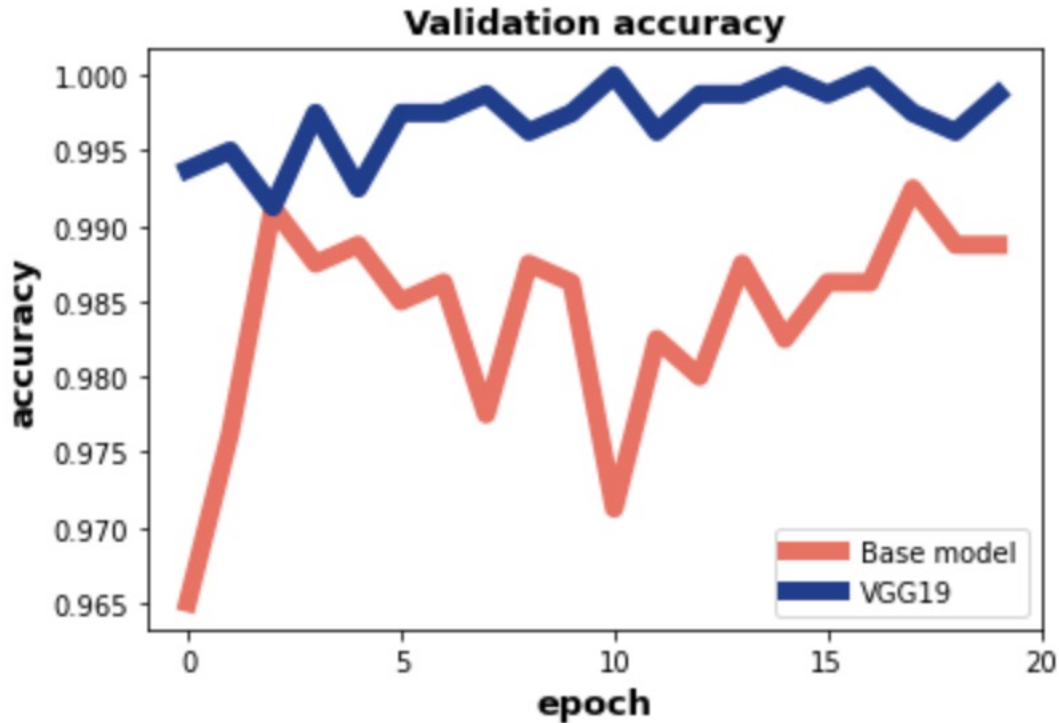


The process of solving the problem

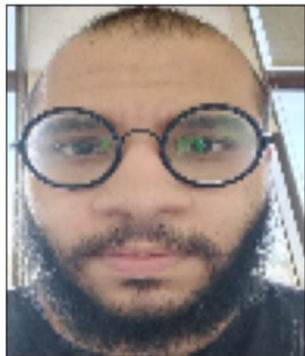


Result

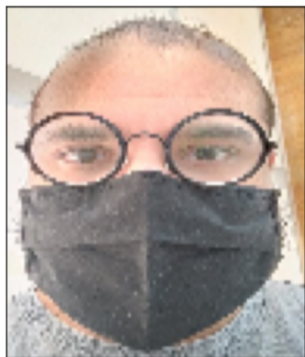
Difference between models accuracy of the validation data



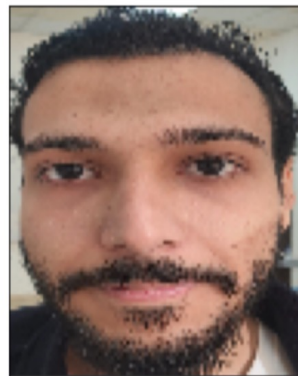
Testing Model Accuracy



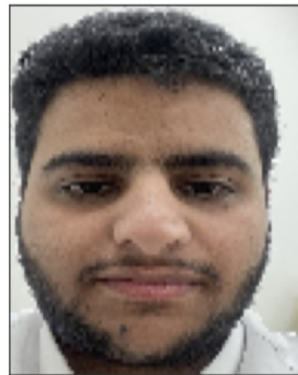
WithoutMask



WithMask



WithoutMask



WithoutMask



Some Factors Can Affect the Result



**Various ways of
wearing masks**



**Different kinds and
colors of masks**



**Lighting and
image resolution**

Conclusion & Future Work



- Real-time detection
- Masked face recognition which can include NIQABs and any other kind of face covers.



Thank you for Attending!

