

LIVER TUMOR SEGMENTATION

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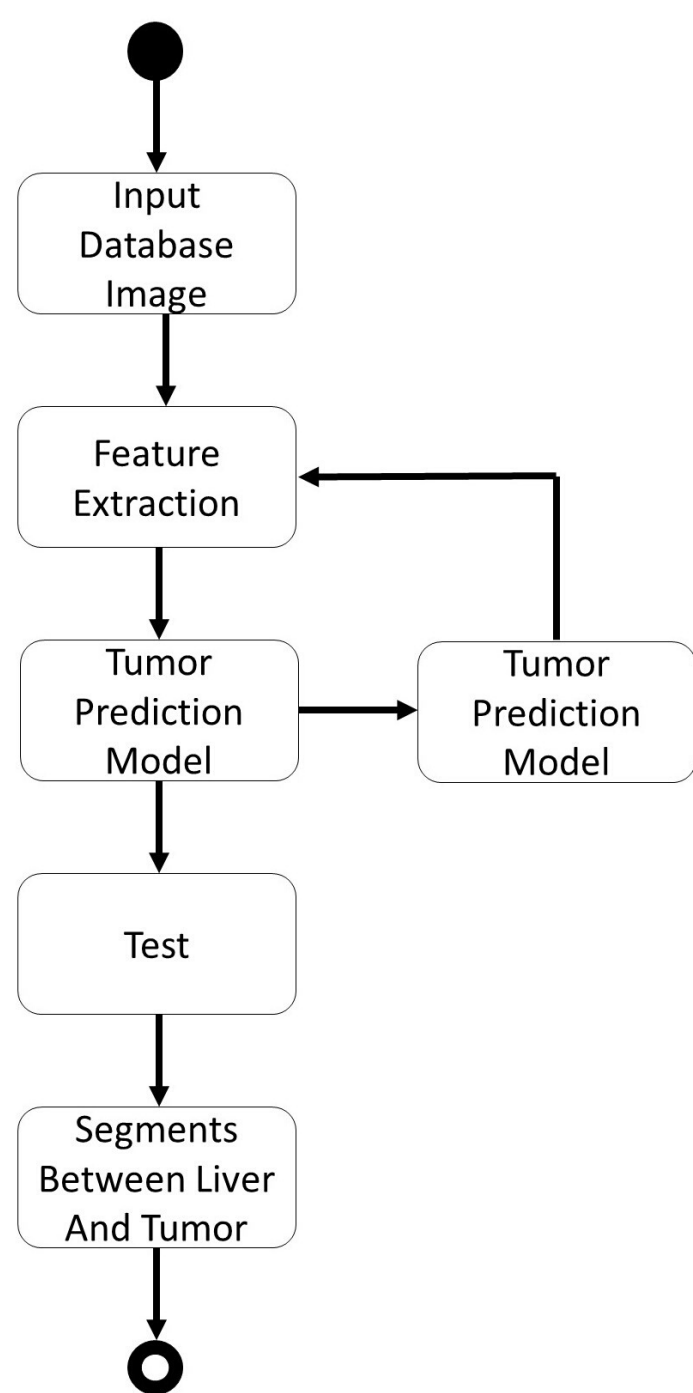


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INTRODUCTION

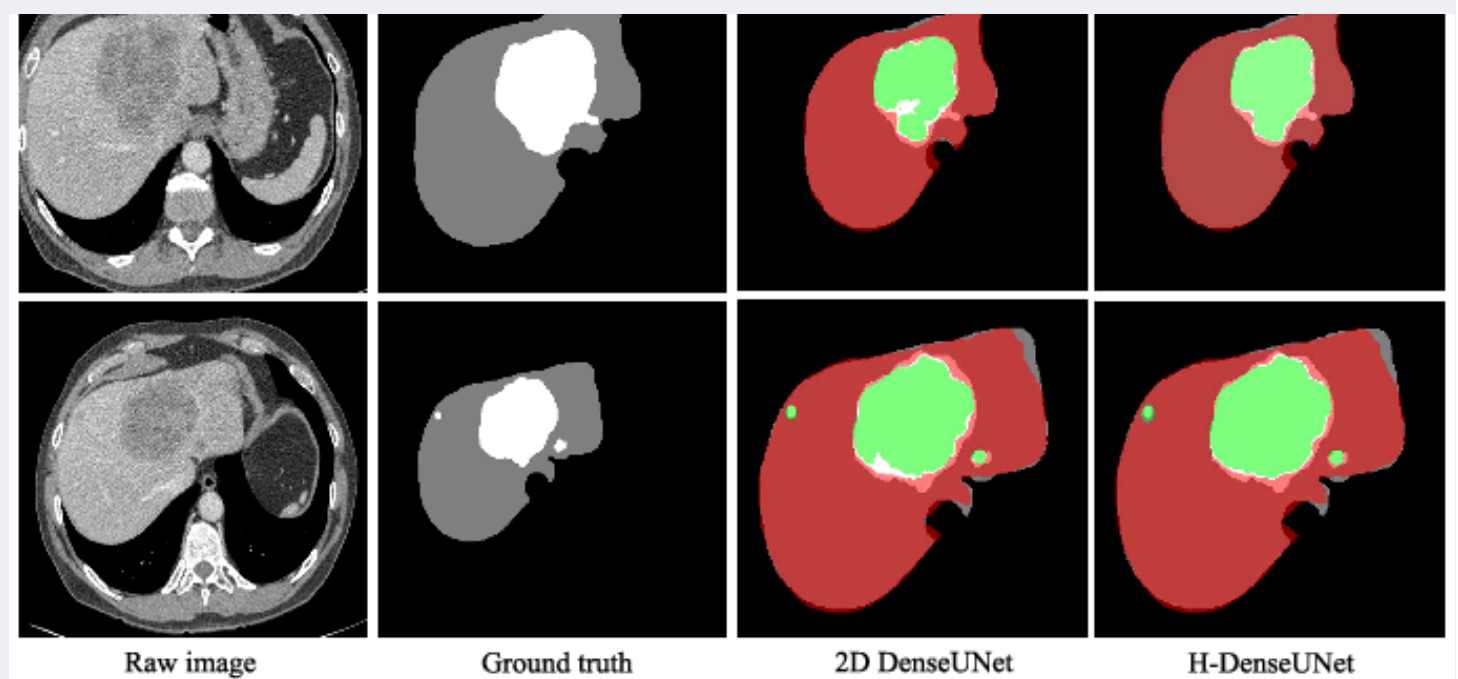
- Liver tumor segmentation has huge potential in the medical imaging domain with lot of commercial value.
- Computed tomography (CT), featured by its high spatial resolution and fast scanning speed, plays a significant role in liver cancer detection.

ACTIVITY DIAGRAM



METHODOLOGY

For the implementation of liver tumor division, convolution neural network like U-Net has been utilized in this task. I handled the analysis on liver tumor division (LiTS) dataset and assess division of CT output pictures. Automatic segmentation of liver tumor is the quickest way and it is more precise diagnosis and complications gets minimized during resections of tumors.



CONCLUSION

- Our goal is to segment Liver and Tumor from .nii files which are converted to CT scan images.
- Here also, I have utilised CNN architectures to determine which of the model would give best RMS value.