

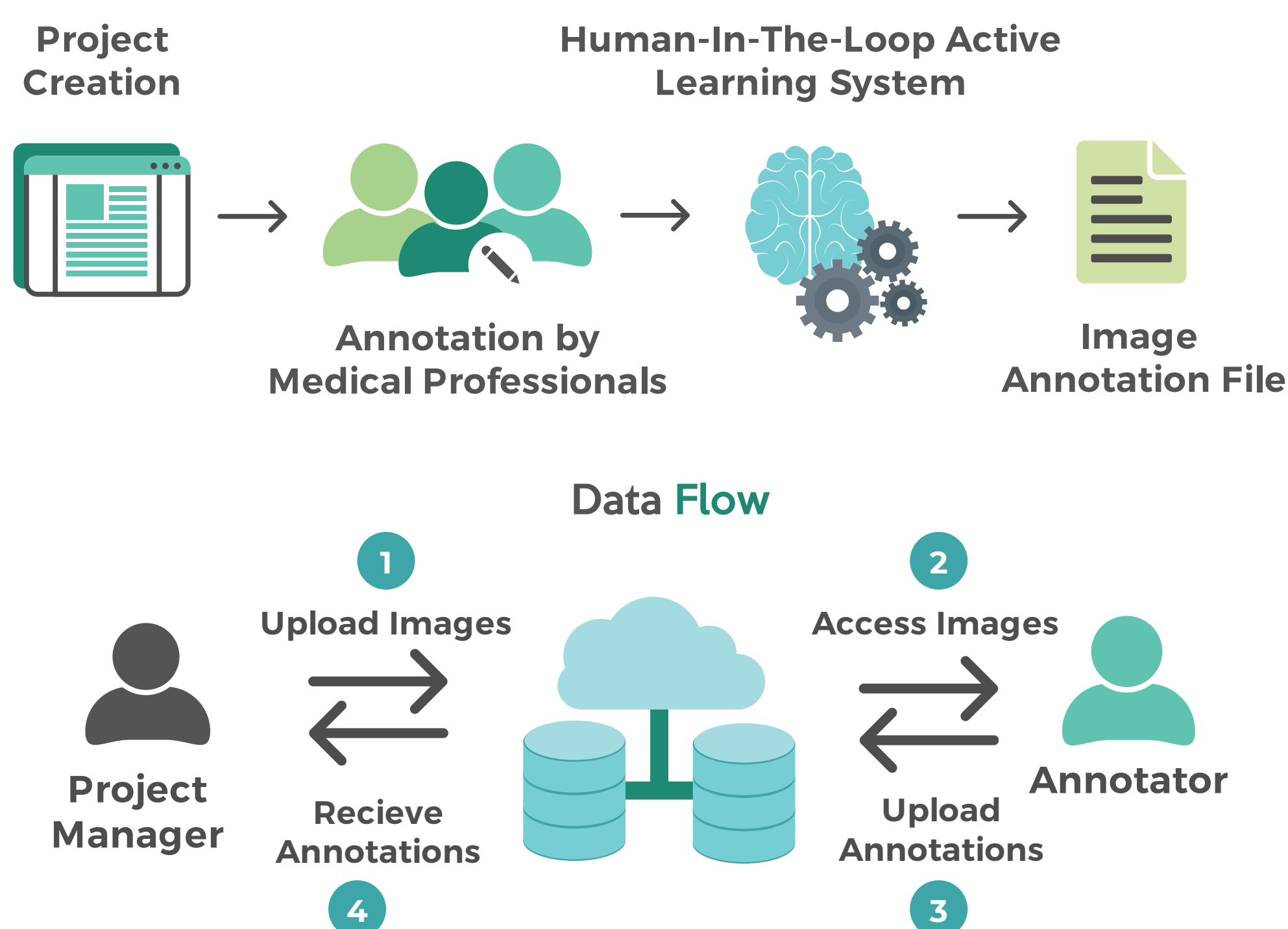
Problem Statement

Medical institutions generate large volumes of biomedical image data that can be used to train supervised models for valuable AI-assisted diagnosis in healthcare. However, annotating biomedical images is a laborious process that also needs input from professionals for accuracy.

Proposed Solution

An online collaborative tool specialised for use by teams of medical professionals as annotators of biomedical images. Users can smoothly complete annotations with an optimised user interface, and an active learning architecture built upon a pre-trained machine learning model will reduce the labour.

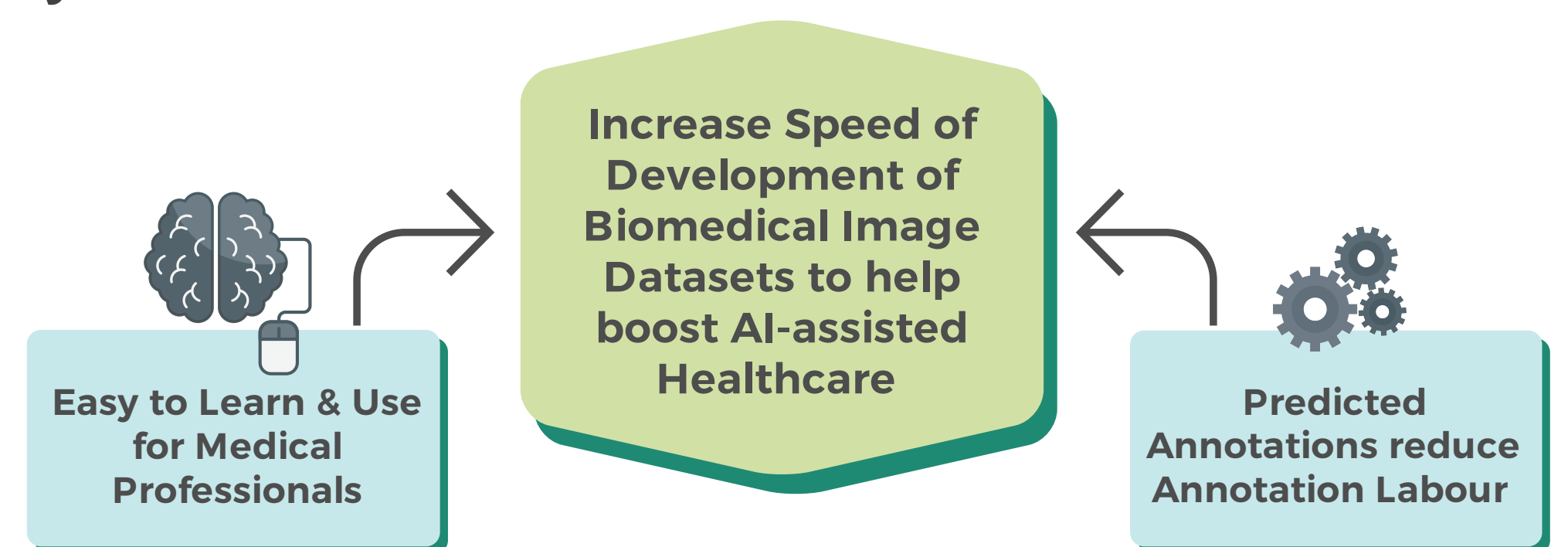
Methodology



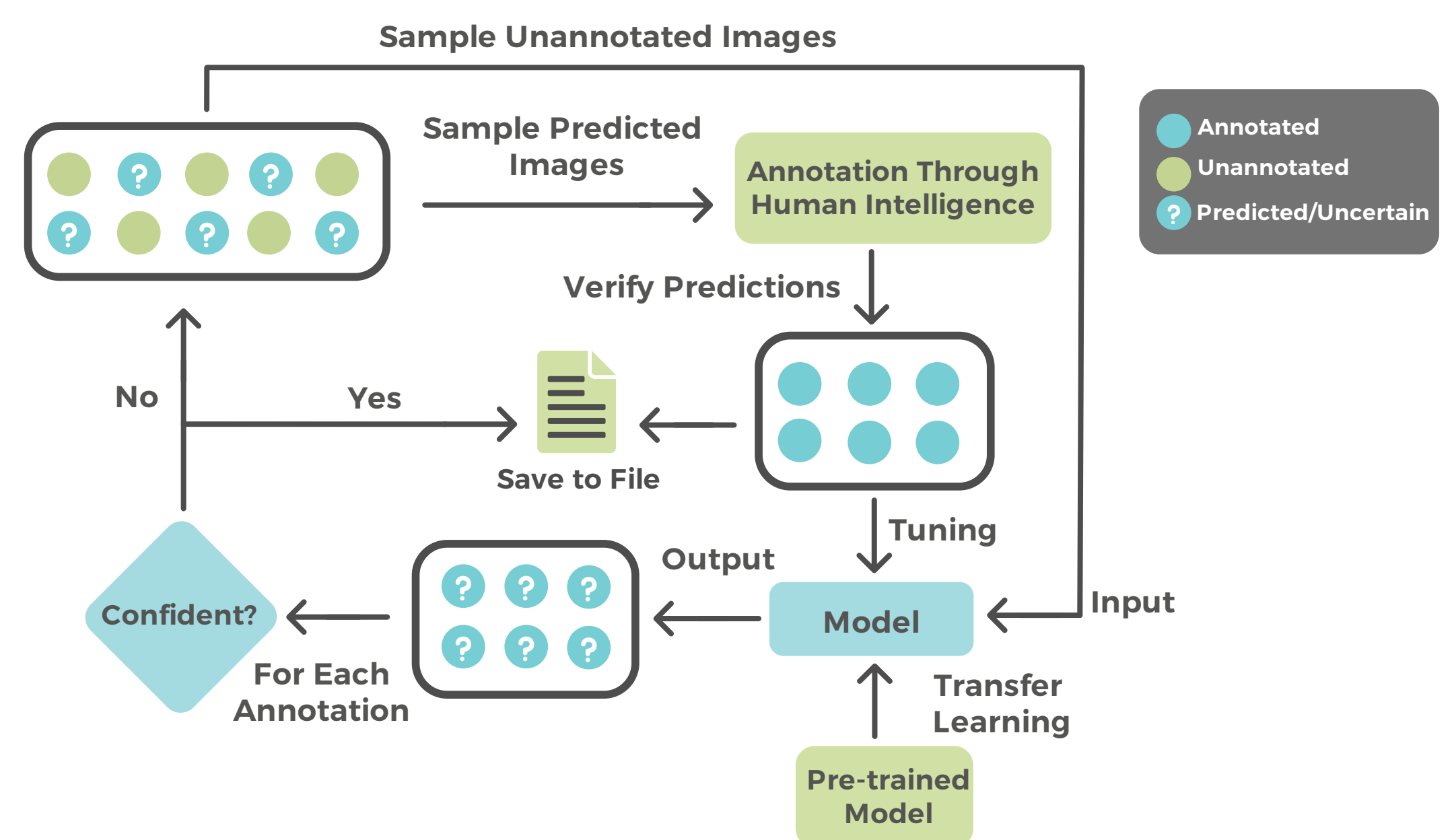
Features



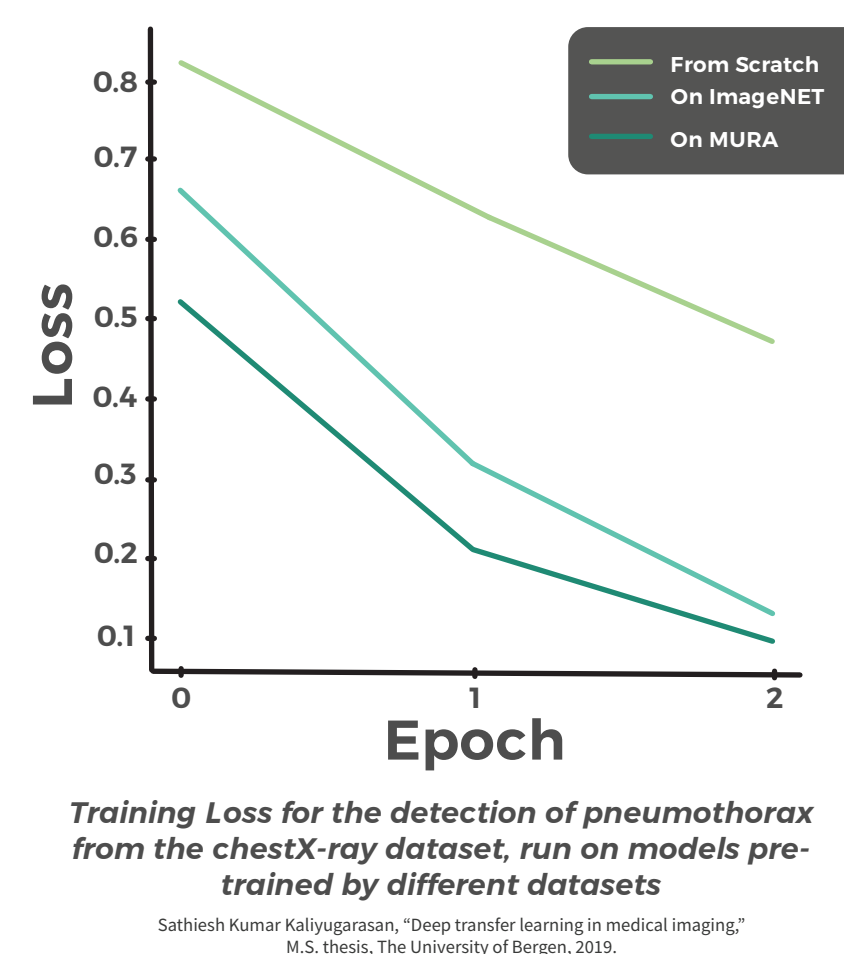
Objectives



Architecture



Results



Conclusion

The project will be evaluated on the following metrics:

- Accuracy of the annotation prediction confidences
- Time-taken to annotate compared to similar software
- Evaluation by Nielsen's 10 Usability Heuristics

Technology



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