Explaination of your work:

When selecting a model for lung infection detection using deep learning, it's important to consider factors such as the size and quality of the dataset, the complexity of the task, and the available computational resources.

Convolutional neural networks (CNNs) are a popular choice for image-based deep learning tasks, including lung infection detection. However, there are many different types of CNN architectures to choose from, such as VGG, ResNet, Mobilenet and Inception, each with their own strengths and weaknesses.

One approach could be to start with a simple architecture and gradually increase its complexity until satisfactory results are achieved. Another approach could be to use a pre-trained model that has been trained on a large, diverse dataset, and fine-tune it for the task of lung infection detection.

Ultimately, the choice of the proposed model is to use effectivenet as a base model which is a pre-trained model with exceptional performance and fits the requirements and constraints of the project.