Hello everyone!. My name is Arnav Mehta , I’m a student of Class 10 from Kundan Vidya Mandir School, Punjab.

During these Days , Diseases and problems regarding lungs are increasing and to find the exact disease is even more difficult. WHO estimates that a shocking number of 3 Million Deaths are caused every year due to pulmonary diseases.

There are a large number of pulmonary diseases and to identify by humans is a bit less efficient in today’s world developing with AI.For solving such Problems and for the Public Health system , early & correct identification of any pulmonary disease is mandatory for timely treatments & to prevent further unnecessary deaths.

To solve this problem we have made a software that predicts the disease the person would be suffering by looking at their chest X-rays. The model is based on a CNN algorithm , trained through about 1 lakh images and through a series of convolution and pooling layers it is able to find the disease the person is suffering.The model was made user-friendly with an open source library called ipywidgets.

All we have to do is upload the image and it tells the disease if the person is suffering gives the result in a snap!