Basic syntax for oceating a neural network in tensorflow

$$\overrightarrow{x} \rightarrow \overrightarrow{0} \xrightarrow{\overrightarrow{a}^{[1]}} \overrightarrow{0} \xrightarrow{\overrightarrow{a}^{[2]}} is \overrightarrow{a_1}^{[2]} > 0.5$$

$$temp \begin{bmatrix} 200 \\ 17 \end{bmatrix}$$

$$duration \begin{bmatrix} 17 \end{bmatrix}$$

$$\widehat{y} = 1$$

$$\widehat{y} = 0$$

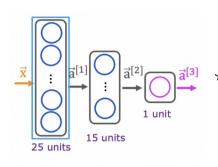
write the above in wde:-

$$x = np. array([[200, 17]])$$

layer
$$2$$
 = Dense (units = 1, activation = "sigmoid")
 a_2 = layer 2 (a,)

if
$$a_2 > = 0.5$$
:
 $yhat = 1$
 $else$:
 $yhat = 0$

Creating the handwriting recognition model using tensorfow



Syntax:-

$$x = np. array ([[.0.0, ..., 245, ..., 24... 0]])$$

$$|ayer_{-}| = Dense (units = 25, activation = "sigmoid")$$

$$a_{1} = |ayer_{-}| (x)$$

$$|ayer_{-}| 2 = Dense (units = 15, activation = "sigmoid")$$

$$a_{2} = |ayer_{-}| 2 (a_{1})$$

$$|ayer_{-}| 3 = Dense (units = 1, activation = "sigmoid")$$

$$a_{3} = |ayer_{-}| 3 (a_{2})$$

$$if a_{3} > = 0.5$$