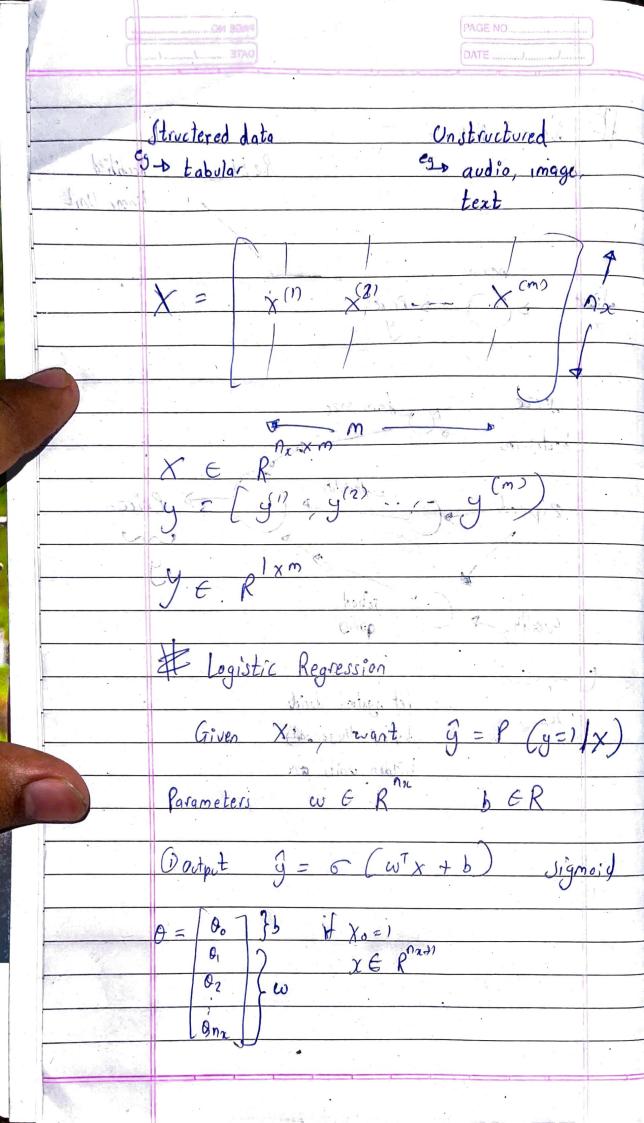
PAGE NO..... DATE ......... Neural Network Rell Recipied linear Unit D. Price fam size ualkability School diling let system decide constever there and hidden unit are

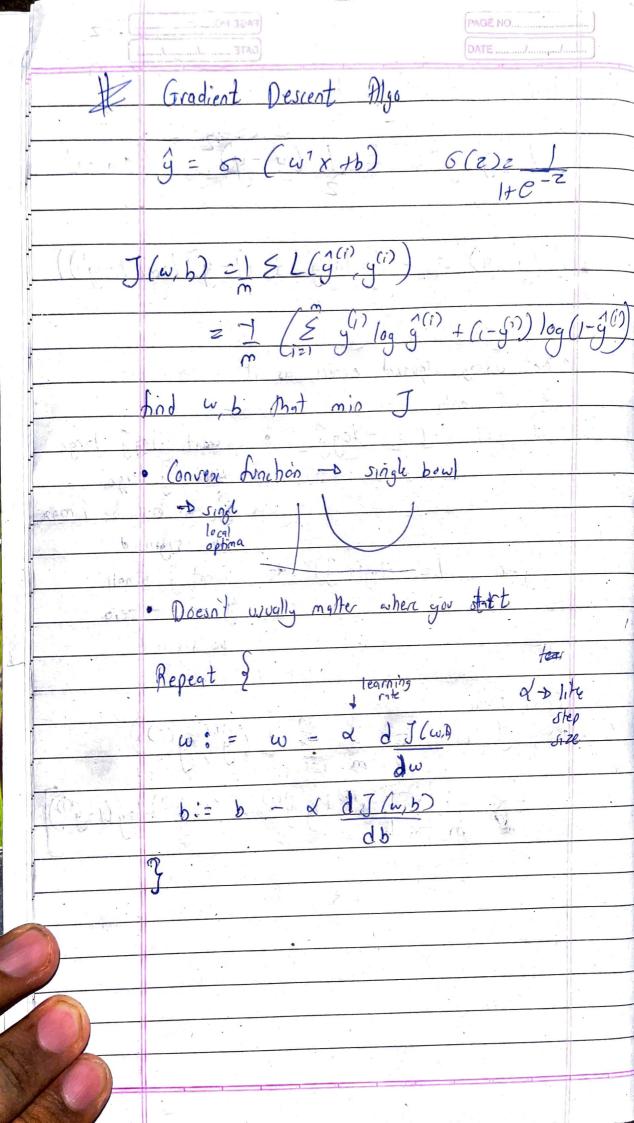


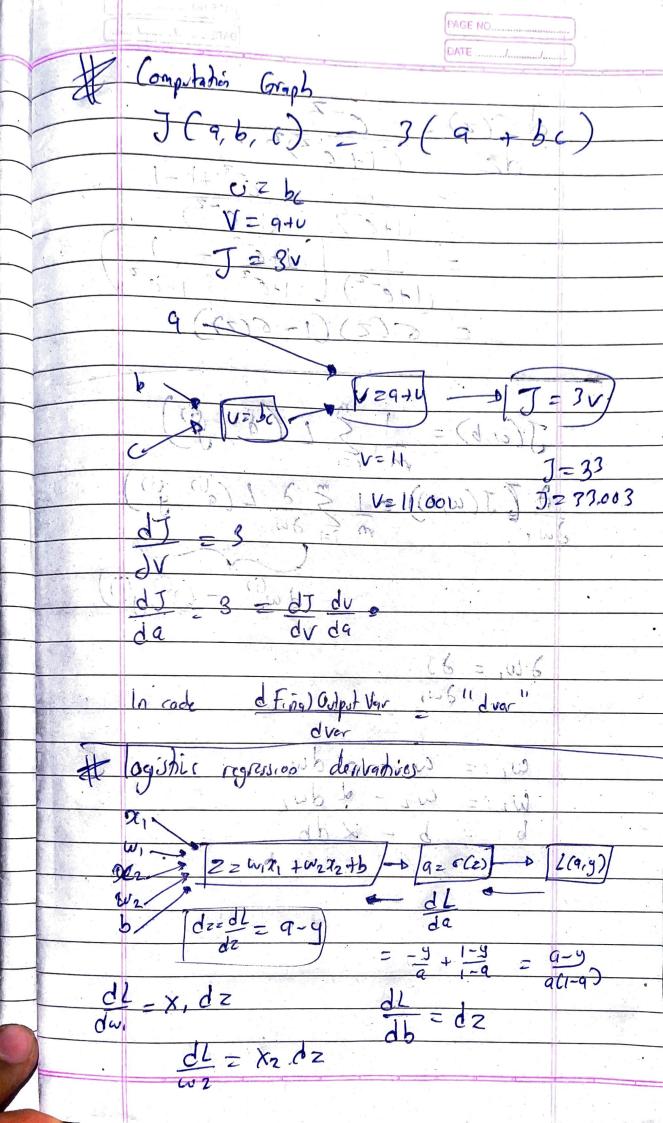
PAGE ICZ -Z logistic error Linchen 9= 6(w1x+5)  $L(\hat{g}, y) = L(\hat{g} - y)^2 \quad (concept)$ [ (g,g) = - (g logg + (1-g) log (1-g)) · not using squared errors as it will minimize to 0 only · it y=1 1= -logy + vant logy large great boly be 1 max be sigmoid (ost Func

J (w,b) = 1 = 1 (y(r) + (i))

m [21 = -1 \$ [y(i) log y(i) + (1-y(i)) log (1-y(i))

m = [21]





3.003 vb dw, 2 W, = 97 Jw, 50,00

ever Rnx XERnxxm Vectorization. vect non vect 2 = np. dot (a, x) +b for in vage 2 tz will x xti) 2 += 6 better a bill a Loc