

# **Programming Practice ICP**

Build your own Model:

1. Use the Sequential API to build a simple feedforward neural network.
2. Include 5 hidden layers with ReLU activation and an output layer with Softmax activation.
3. Try adding more layers or using a different number of neurons.
4. Experiment with different activation functions (e.g., tanh, sigmoid).
5. Compare results with different optimizers like sgd, rmsprop, etc.
6. Your model should achieve a test accuracy above 99%, given the simplicity of the dataset.