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Class: B.Tech Data Science

Semester: VI

Subject: Deep Learning

Experiment: 10 Part (i) – Transfer Learning

ResNet50

Predicted: [('n02504458', 'African_elephant', 0.7008188), ('n01871265', 'tusker', 0.22506835), ('n02504013', 'Indian_elephant', 0.074070185)]

ResNet101

Predicted: [('n02504458', 'African_elephant', 0.5987077), ('n01871265', 'tusker', 0.3783492), ('n02504013', 'Indian_elephant', 0.022769945)]

ResNet152

Predicted: [('n01871265', 'tusker', 0.45742124), ('n02504458', 'African_elephant', 0.4302972), ('n02504013', 'Indian_elephant', 0.109465055)]

ResNet50v2

Predicted: [('n02504458', 'African_elephant', 0.8193), ('n01871265', 'tusker', 0.16853635), ('n02504013', 'Indian_elephant', 0.012021563)]

ResNet101v2

Predicted: [('n01871265', 'tusker', 0.51101893), ('n02504458', 'African_elephant', 0.4643323), ('n02504013', 'Indian_elephant', 0.024492722)]

Therefore the best model is Resnet50V2, which has an accuracy of 81.93%.