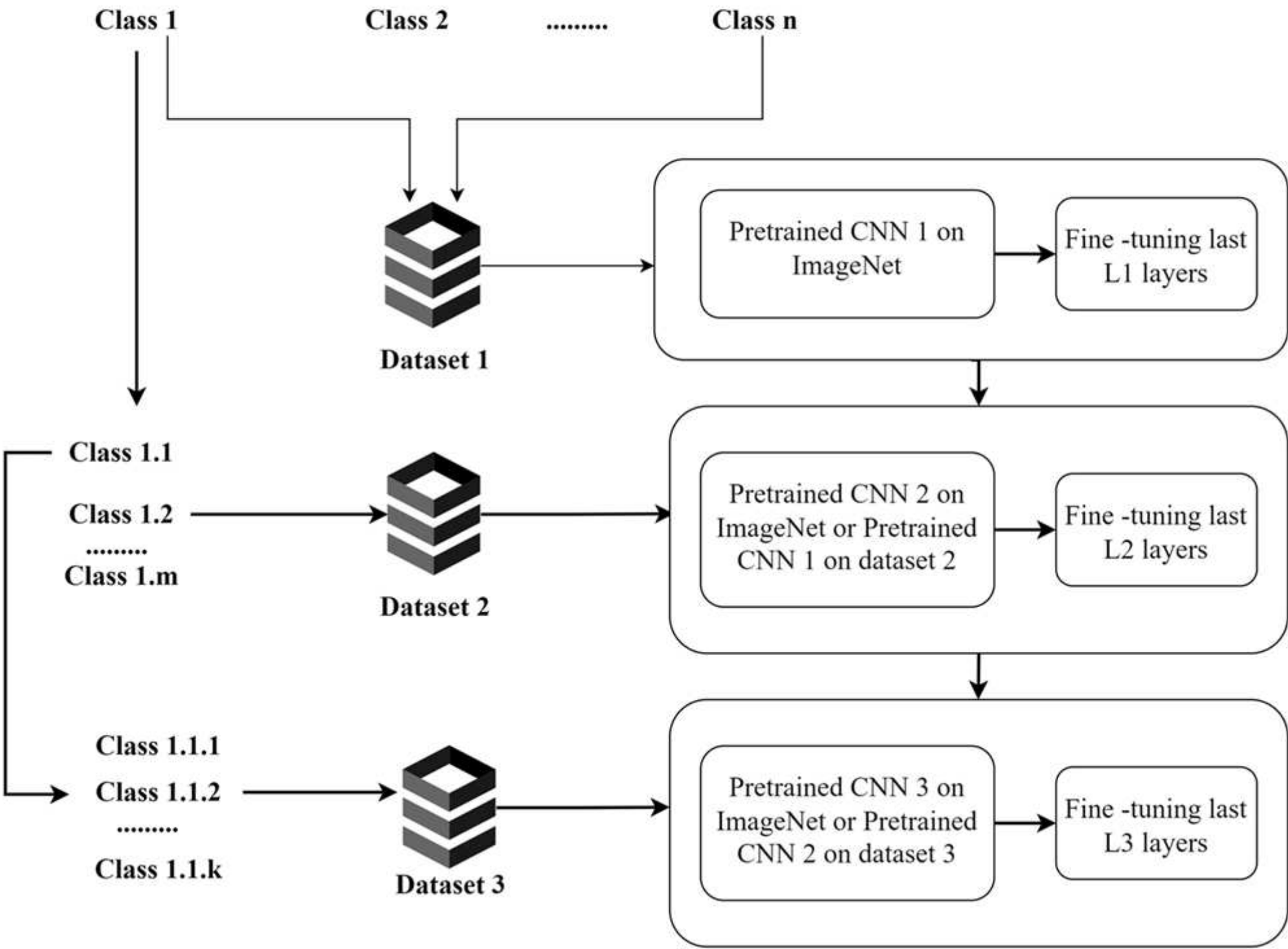
Class 1
Class 2
.....
Class n
Dataset 1
Pretrained CNN 1 on ImageNet
Fine -tuning last L1 layers
Class 1.1
Class 1.2
.....
Class 1.m
Dataset 2
Pretrained CNN 2 on ImageNet or Pretrained CNN 1 on dataset 2
Fine -tuning last L2 layers
Class 1.1.1
Class 1.1.2
.....
Class 1.1.k
Dataset 3
Pretrained CNN 3 on ImageNet or Pretrained CNN 2 on dataset 3
Fine -tuning last L3 layers