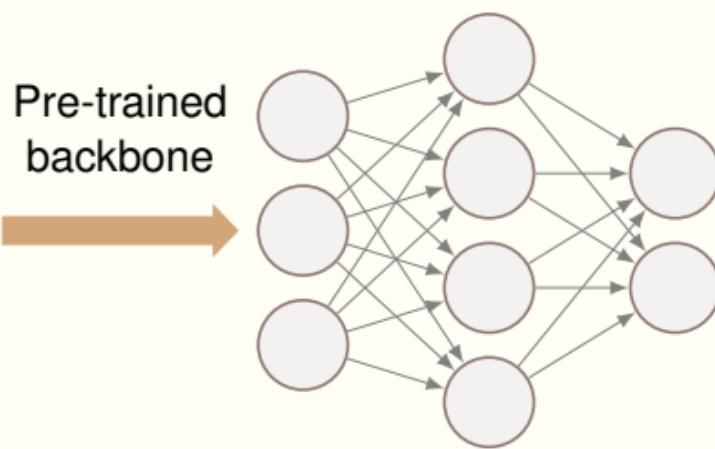


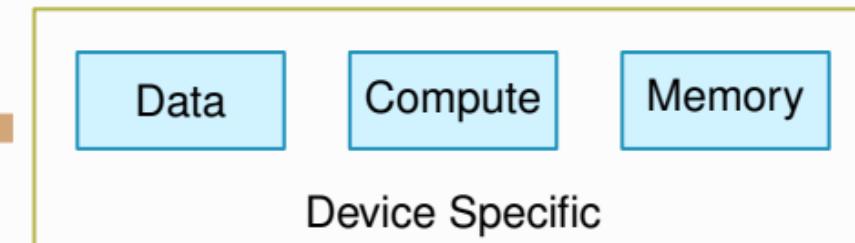
Online Pre-training



Pre-trained
backbone

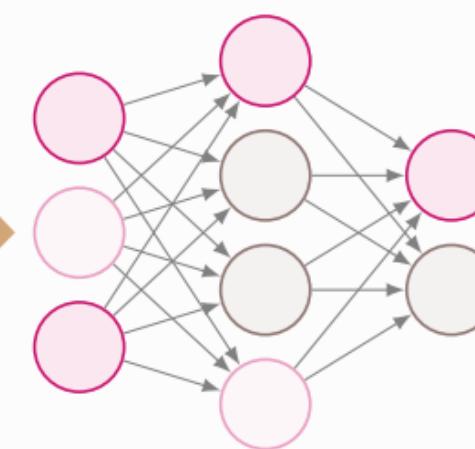
Meta-training with generic
data (e.g. MinilmageNet)

Online Adaptive Learning on IoT Devices

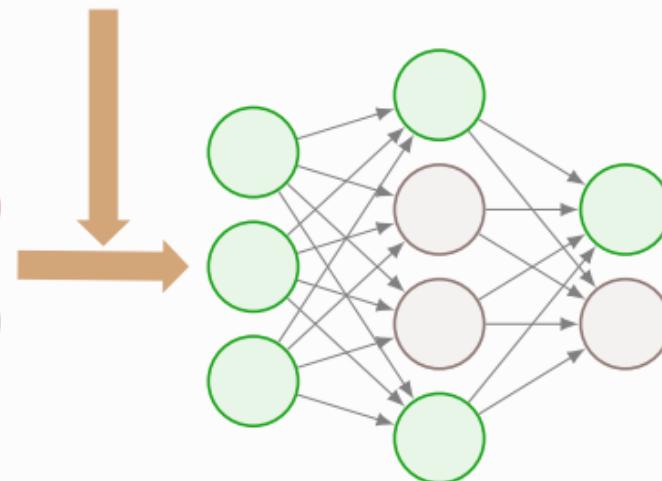


Device Specific

S_i



Rank the channels and layers based
on the multi-objective metric S_i



Train the selected
layers and channels