AI for Edge Computing&23A39602

Assignment-I

(1).Explain the evolution of computing paradigms: Cloud, Fog, and Edge computing.

(2).Explain hardware for Edge AI, including Edge GPUs, TPUs, and FPGAs.
Also discuss edge devices such as Raspberry Pi, Jetson Nano, and Google Coral, and the challenges in deploying AI on the Edge.?

(3).Explain model optimization techniques for Edge AI, including quantization, pruning, knowledge distillation, and transfer learning.?

(4) Explain distributed AI architectures involving Edge, Fog, and Cloud computing with **a neat diagrams.**?

(5).Explain Collaborative Intelligence with emphasis on Edge–Cloud offloading strategies, **with a neat diagram.**?