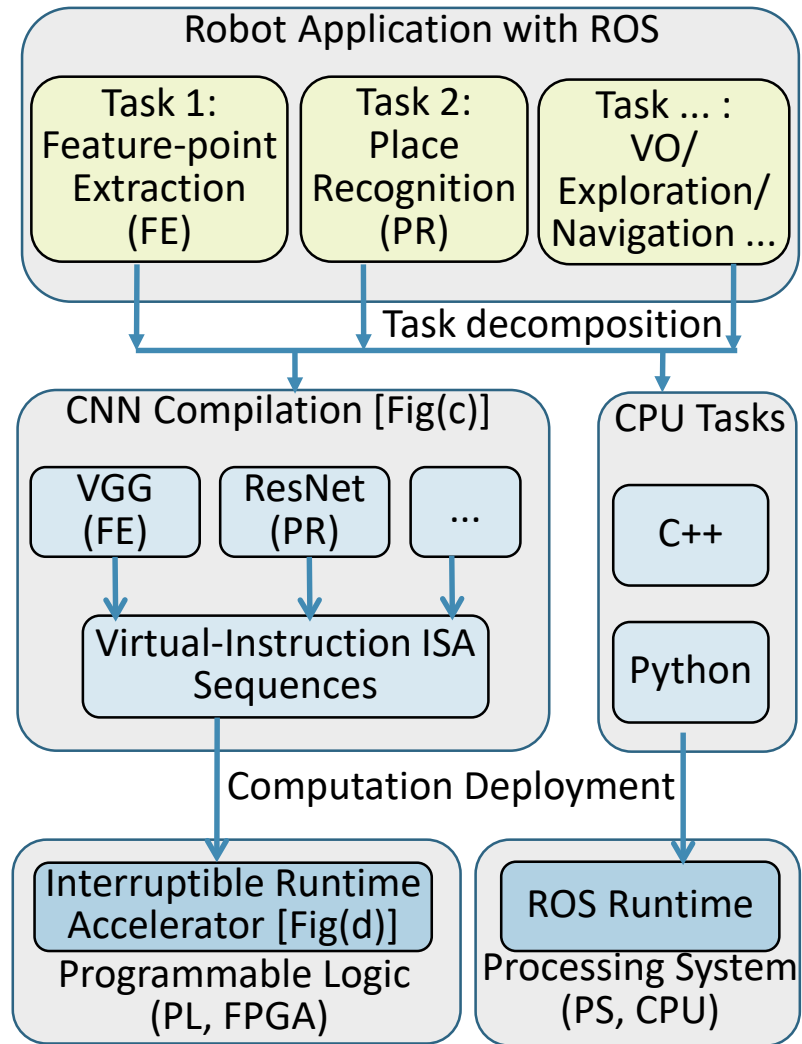
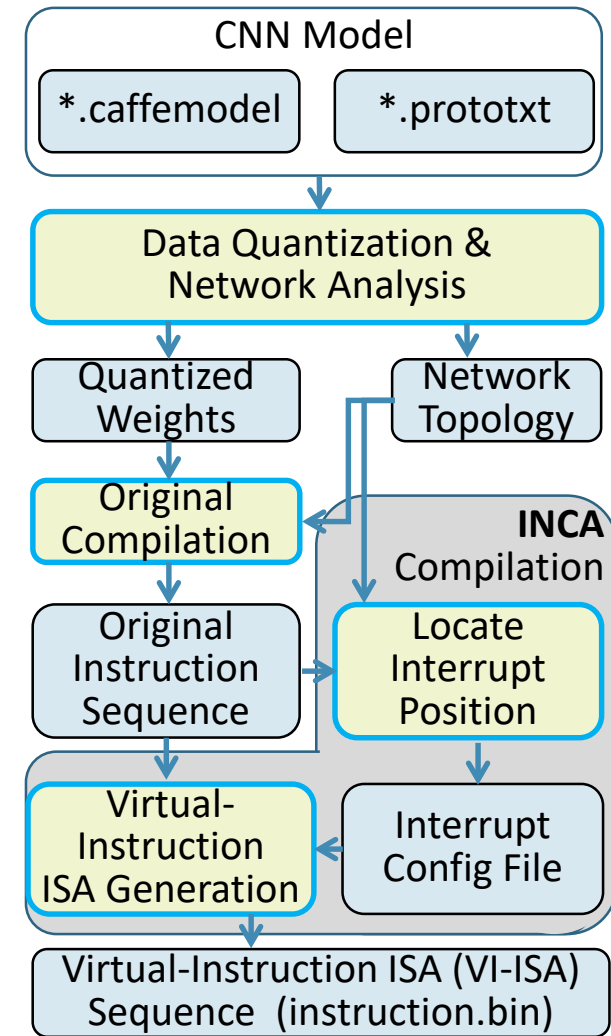


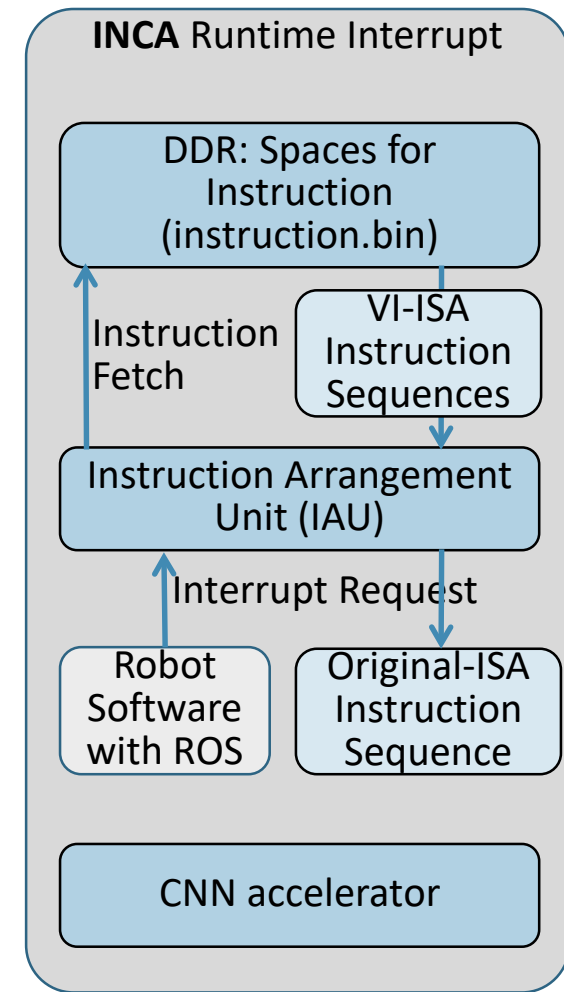
(a) INCA solves resources conflict. The CNN networks of different tasks time-multiplex the accelerator.



(b) INCA framework from robot application to hardware platform.



(c) At compilation, INCA adds virtual instructions to produce VI-ISA instruction sequences.



(d) At runtime, INCA translates the VI-ISA to original ISA executed on the accelerator.