Meets Specifications

Keen Student,
Congratulations on passing the project 🎉

Proposal

✓ **For each of the three scenarios, the Client Requirements and Potential Hardware Solution section is complete and does the following:**

- **Describes at least two relevant client requirements**
- **Indicates which hardware might be most appropriate for the client**
- **Explains how the chosen hardware would meet these requirements**

✓ **For each of the three scenarios, the Queue Monitoring Requirements section includes the following information:**

1. **Maximum number of people in the queue (before the system would redirect them to another queue)**
2. **Correct model precision (FP32/FP16/ Int8) for the proposed hardware type**

✓ **For each of the three scenarios, the Test Results section of the proposal document includes the following graphs comparing all four hardware types:**

- **Model Load Time**
- **Inference Time**
- **Frames per Second (FPS)**

For each of the three scenarios, the Final Hardware Recommendation section of the proposal document:

- **Indicates the correct hardware type**
- **Uses both the client requirements and performance test results to justify the hardware choice**

Good work!

Testing the Hardware

✓ **All methods in the `PersonDetect` class in the person_detect.py script are completed and functional:**

- `load_model`
- `predict`
- `draw_outputs`
- `preprocess_outputs`
- `preprocess_inputs`

The `queue_job.sh` submission script is completed and functional.

The project runs models and performs inference on the following edge devices:

- **CPU**
- **IGPU**
- **FPGA**
- **VPU**

The submission also includes the output files generated by DevCloud after successful completion of inference jobs on DevCloud. These output files include the following:

- **Output video with bounding boxes drawn on the video**
- **Stats file with the following stats:**
  - **Inference time**
  - **Model load time**
  - **Frames per Second (FPS)**

✓ **The Jupyter notebook includes the `qsub` command statements, which are used with the correct arguments to run the model on all four hardware devices.**