

## Project Design Phase-I Solution Architecture

### Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing business problems.
- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements.
- Provide specifications according to which the solution is defined, managed, and delivered.

### Example - Solution Architecture Diagram:

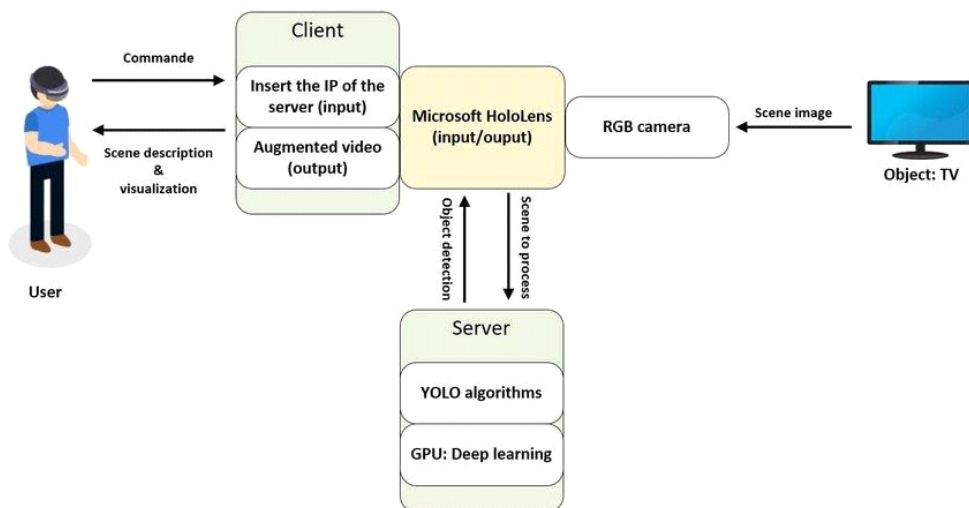


Figure 1: Architecture and data flow of the person detection using YOLO model

Reference: [https://www.researchgate.net/figure/Diagram-of-object-detection-system-description-of-each-component-and-its-process\\_fig1\\_340480224](https://www.researchgate.net/figure/Diagram-of-object-detection-system-description-of-each-component-and-its-process_fig1_340480224)