

## Hardware Architecture

- Raspberry Pi 4 Model B
  - 8GB RAM
- Raspberry Pi Camera
- Pi Foundation Display Touchscreen
- SmartPi Touch 2

**Raspberry Pi 4:** Single board computer that will contain the entire program



**PyQt5/Qt Designer** - Python library and tool used to develop the main GUI



## Software Architecture

- Raspberry Pi OS
- Python 3
- Bash
- PyQt5/Qt Designer
- Figma
- Azure Custom Vision
- Docker

**Raspberry Pi Camera:** Used to capture pictures for object detection on Raspberry Pi



**Azure Custom Vision** - Takes pictures from camera to train object recognition AI model



# Raspberry Pi Computer Vision Programming

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Gurupur, Steven L. Fernandes**

## **Raspberry Pi Computer Vision Programming:**

## Unveiling the Magic of Words: A Overview of "**Raspberry Pi Computer Vision Programming**"

In a world defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their capability to kindle emotions, provoke contemplation, and ignite transformative change is actually awe-inspiring. Enter the realm of "**Raspberry Pi Computer Vision Programming**," a mesmerizing literary masterpiece penned with a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve to the book is central themes, examine its distinctive writing style, and assess its profound effect on the souls of its readers.

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