

# **IMPLEMENTATION DETAILS**

## **Requirements**

### **Hardware Requirements:**

- Processor: 11th Gen Intel(R) Core (TM) i511500H @2.90GHz 2.92 GHz
- RAM: 16 GB
- GPU: NVIDIA GTX 1050 Ti 4GB Graphics Card
- OS Version: Windows 10 (Preferred) or MacOS

### **Software Requirements:**

- Programming Language: Python
- Libraries: Keras, TensorFlow, SimpleITK
- Platform: Jupyter Notebook

## **Environment Setup**

### **1. Installing Required Packages from Internet:**

Python : <https://www.python.org/downloads/>

Jupyter Notebook: `python -m pip install jupyter.`

### **2. Installing Required Libraries:**

Keras	<code>pip install keras</code>
TensorFlow	<code>pip install tensorflow</code>
SimpleITK	<code>pip install SimpleITK</code>

### **3. Running the code:**

- a. Open command prompt on the location of code and run: jupyter notebook
- b. Open .ipynb file and run all cells.

### **GitHub Link:**

<https://github.com/lukecoder155/AI-Guided-Automatic-Tracking-and-Detection-Contouring-of-the-Chambers-of-Heart-in-ECG-Video/upload>