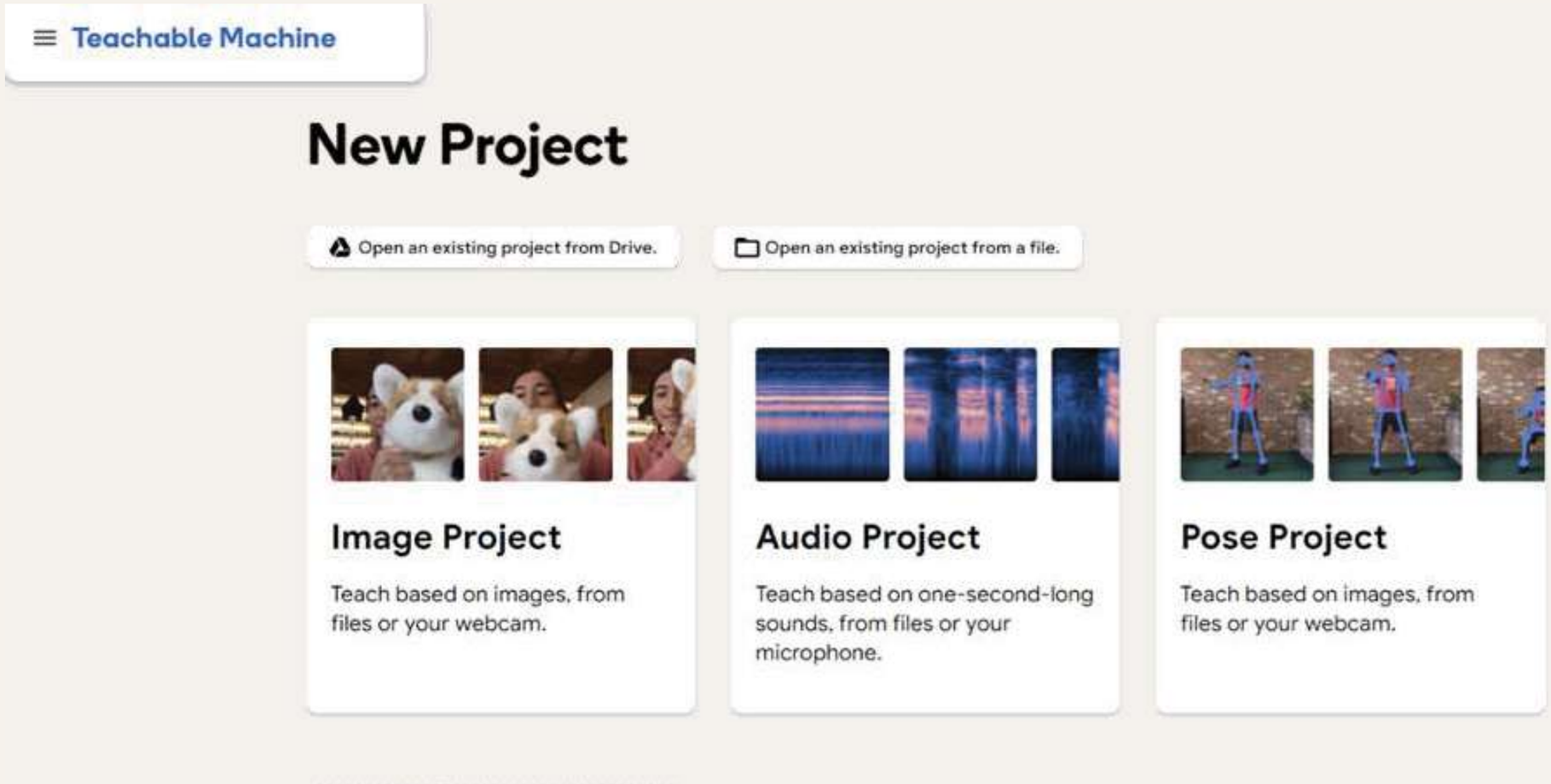
Auto Pose Robot

Introduction

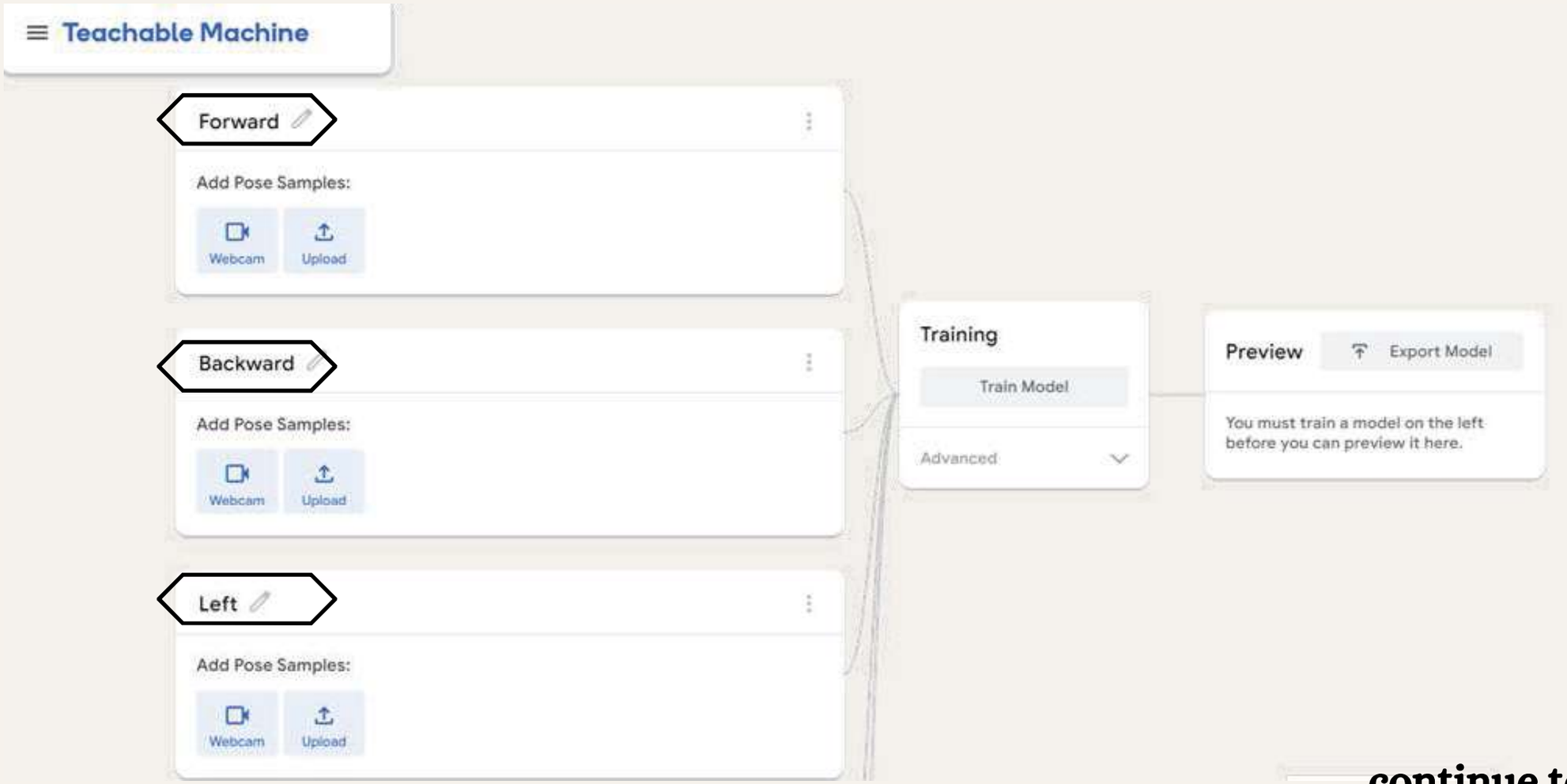
A Robot is an automatic machine designed to carry out a task. The Auto pose robot helps to control the robot through possess made by the human being. The integration of STEMBOT and google teachable platform is done to capture and detect the possess. The STEMBOT is trained by some possess to move in forward, backward, left, and right directions. After detecting the possess, the STEMBOT then operates the motors.

Step 1: - Train the robot using pose project



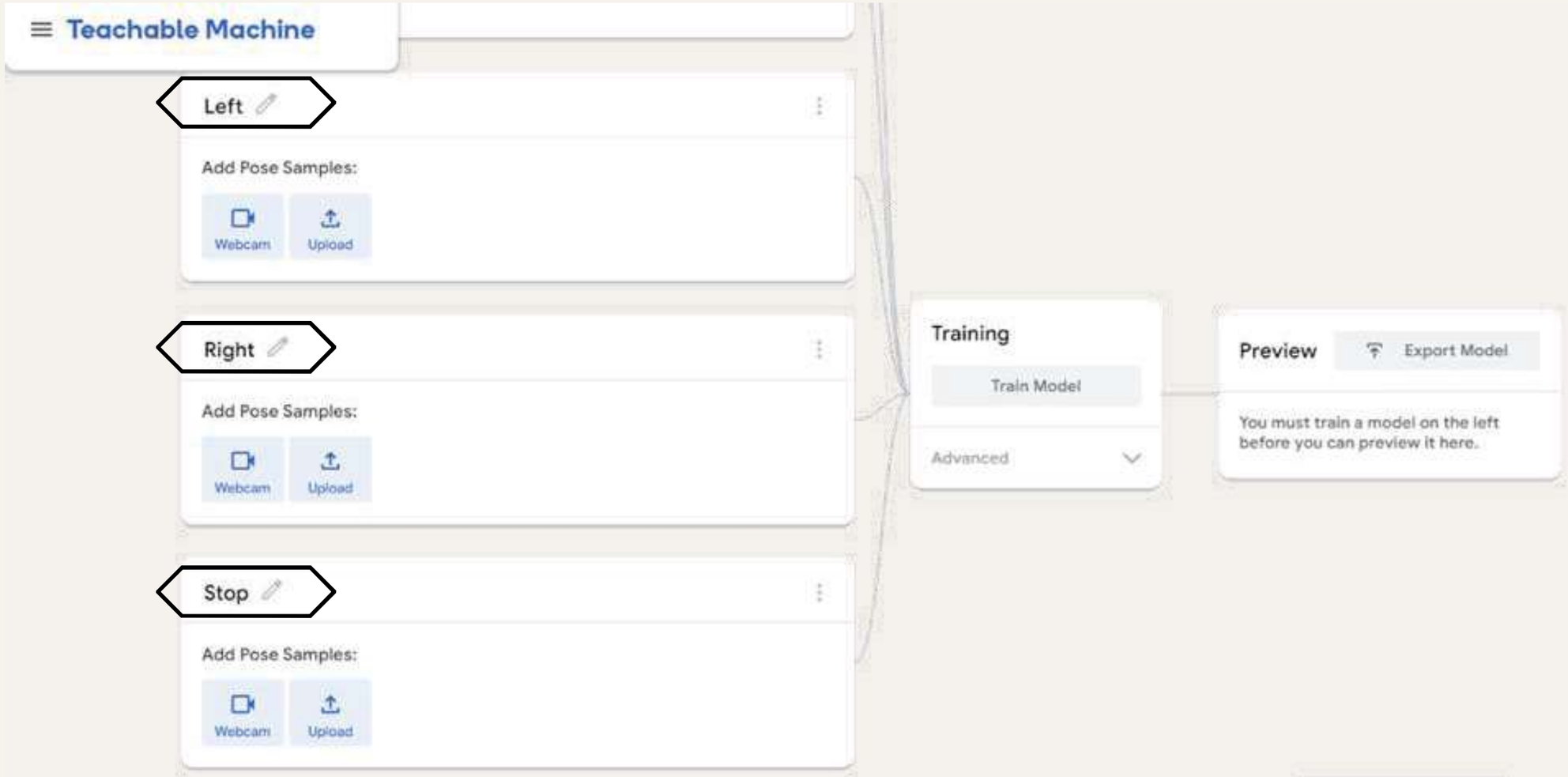
continue to next. . . .

Step 2: - Create 5 classes named Forward, Backward, Left, and Right, Stop.



continue to next. . . .

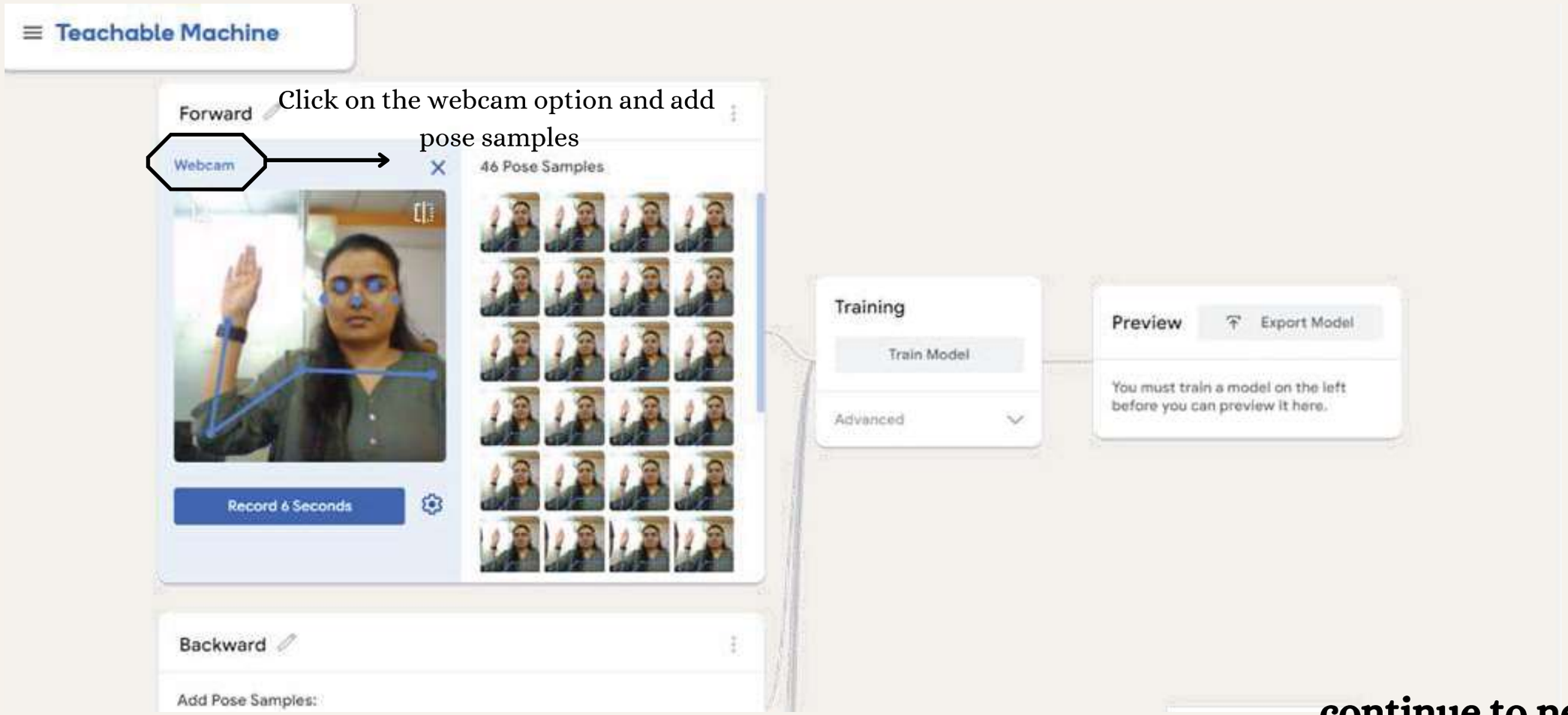
Step 2: - Create 5 classes named Forward, Backward, Left, and Right, Stop.



continue to next. . . .

Step 3: - Add pose samples.

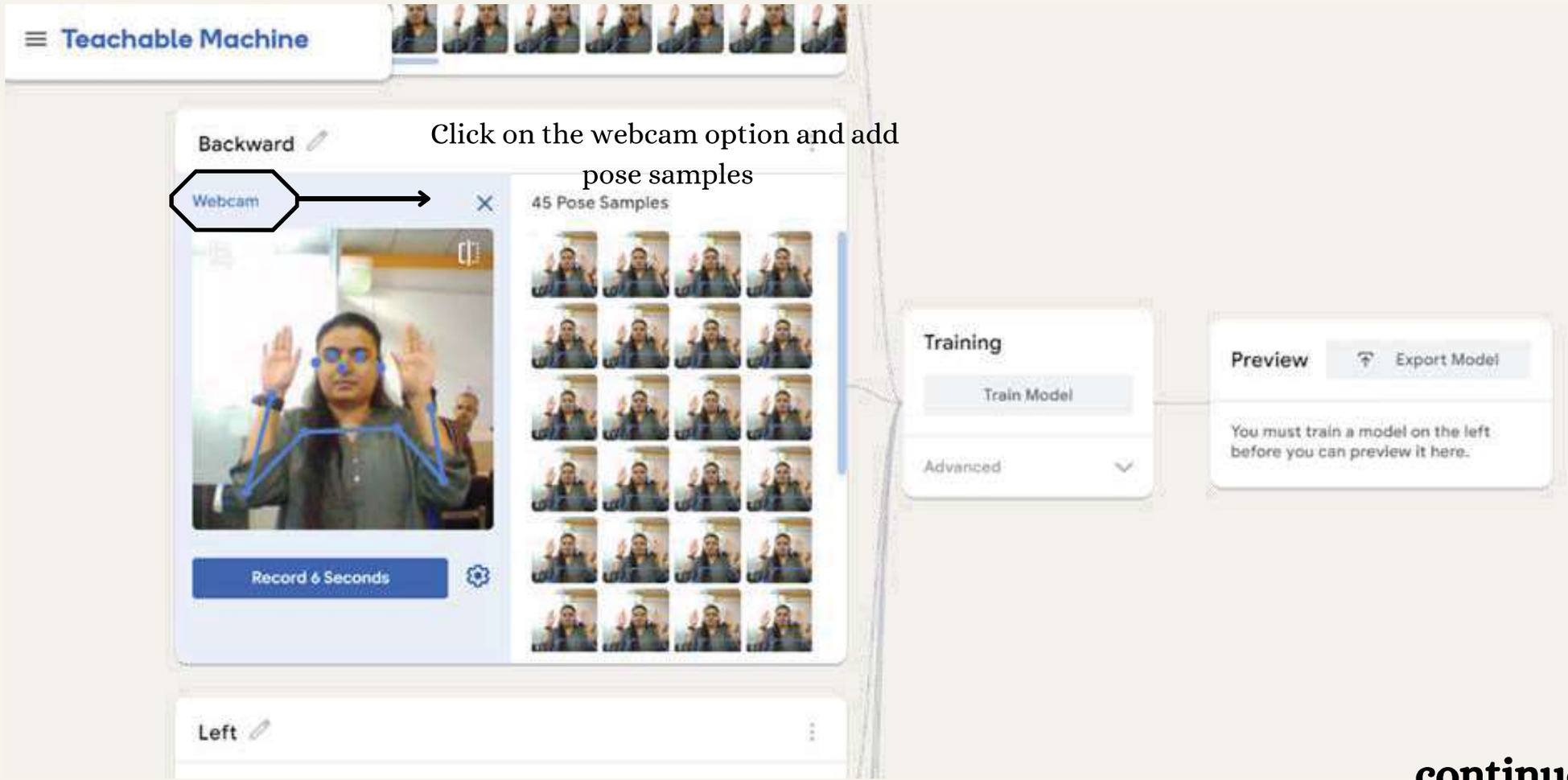
Forward



continue to next. . . .

Step 3: - Add pose samples.

Backward

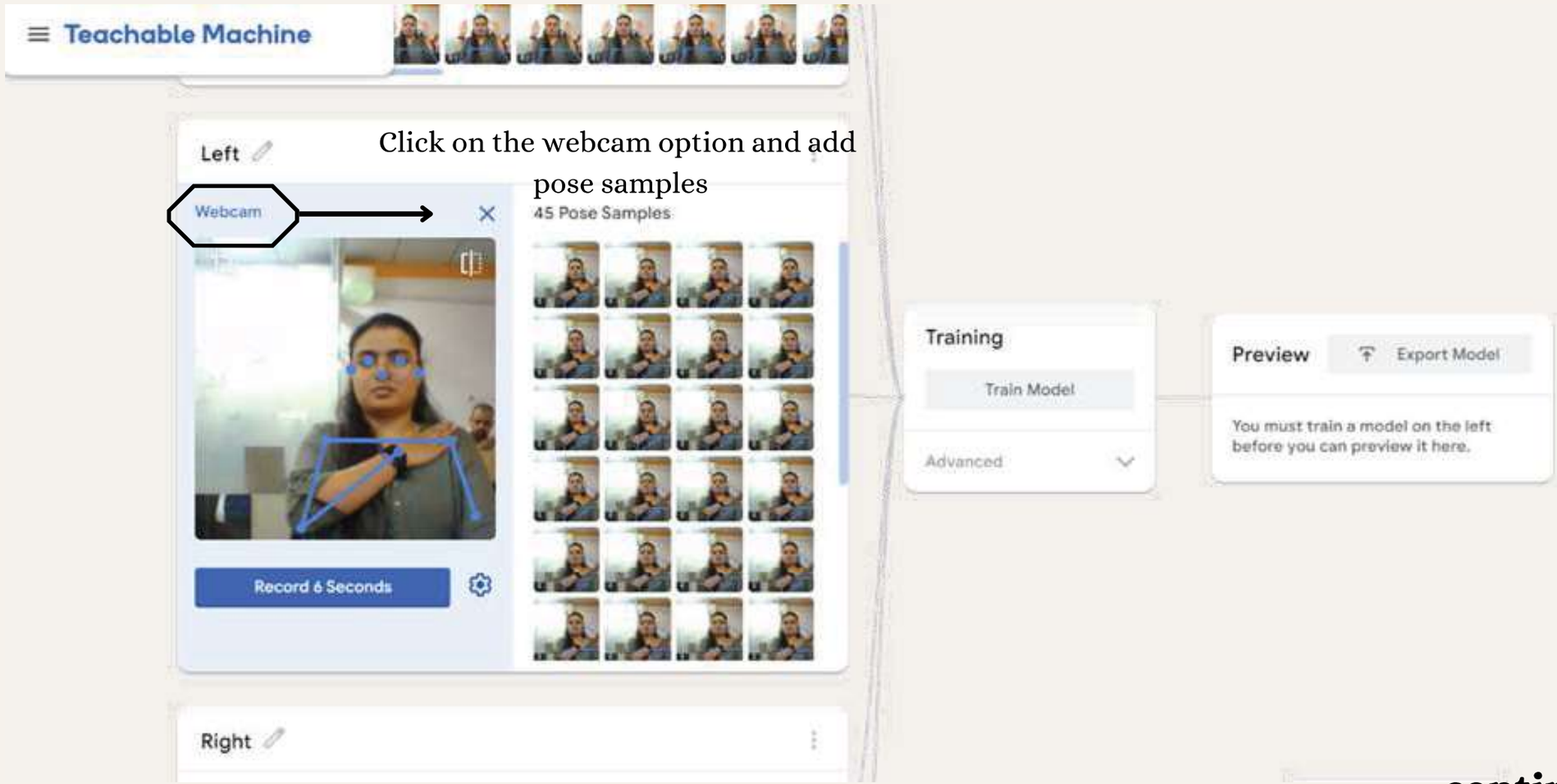


Click on the webcam option and add pose samples

continue to next. . . .

Step 3: - Add pose samples.

Left

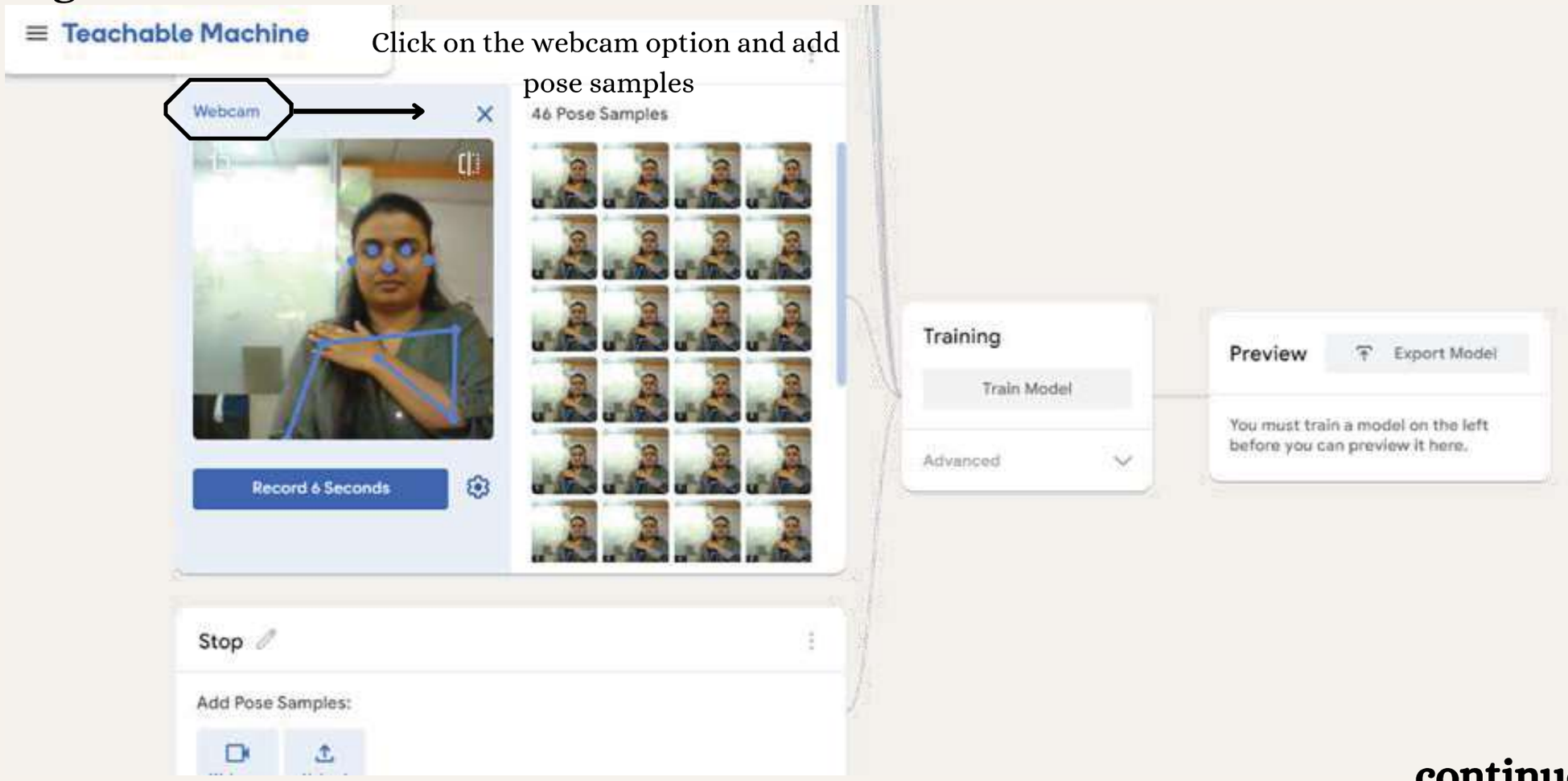


Click on the webcam option and add pose samples

continue to next. . . .

Step 3: - Add pose samples.

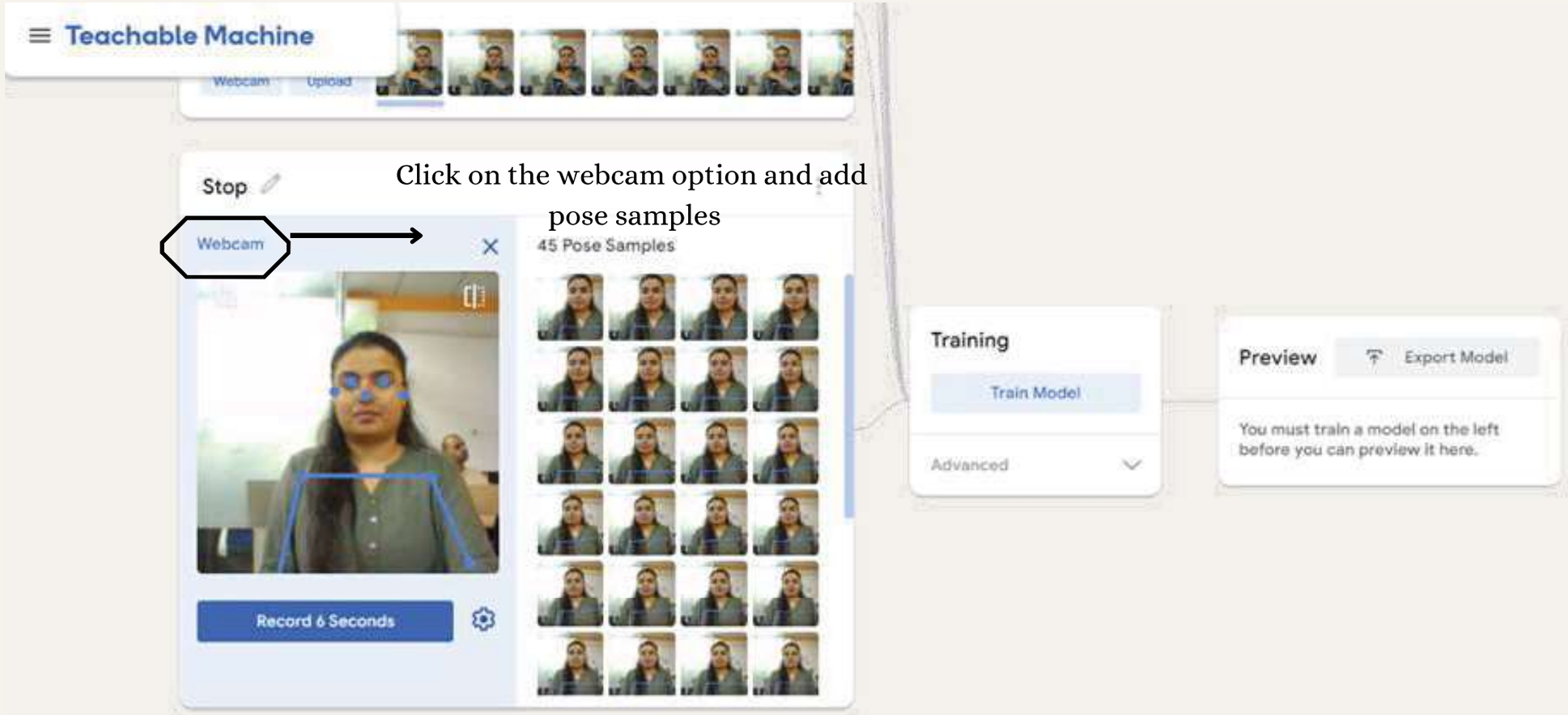
Right



continue to next. . . .

Step 3: - Add pose samples.

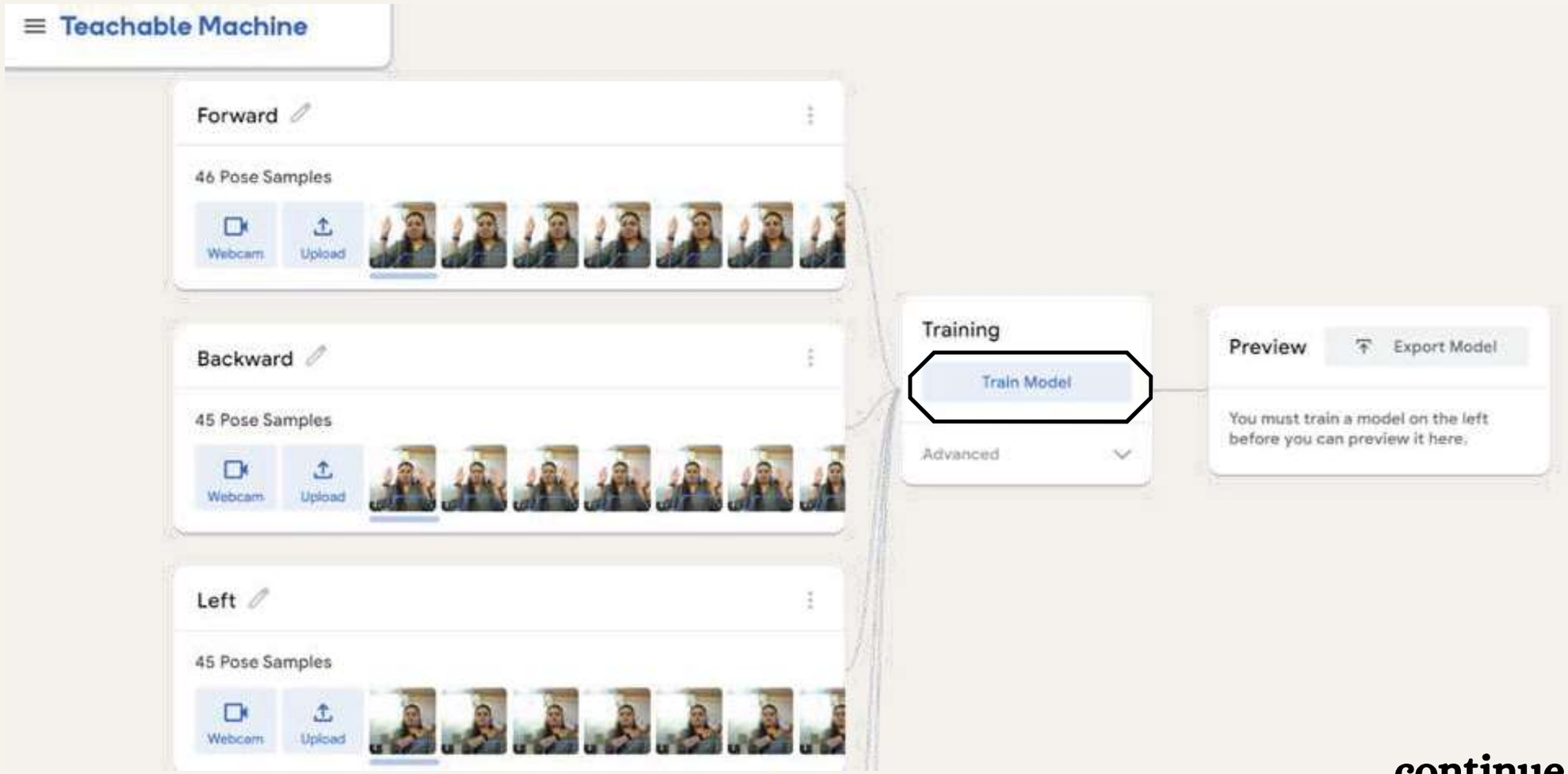
Stop



Click on the webcam option and add pose samples

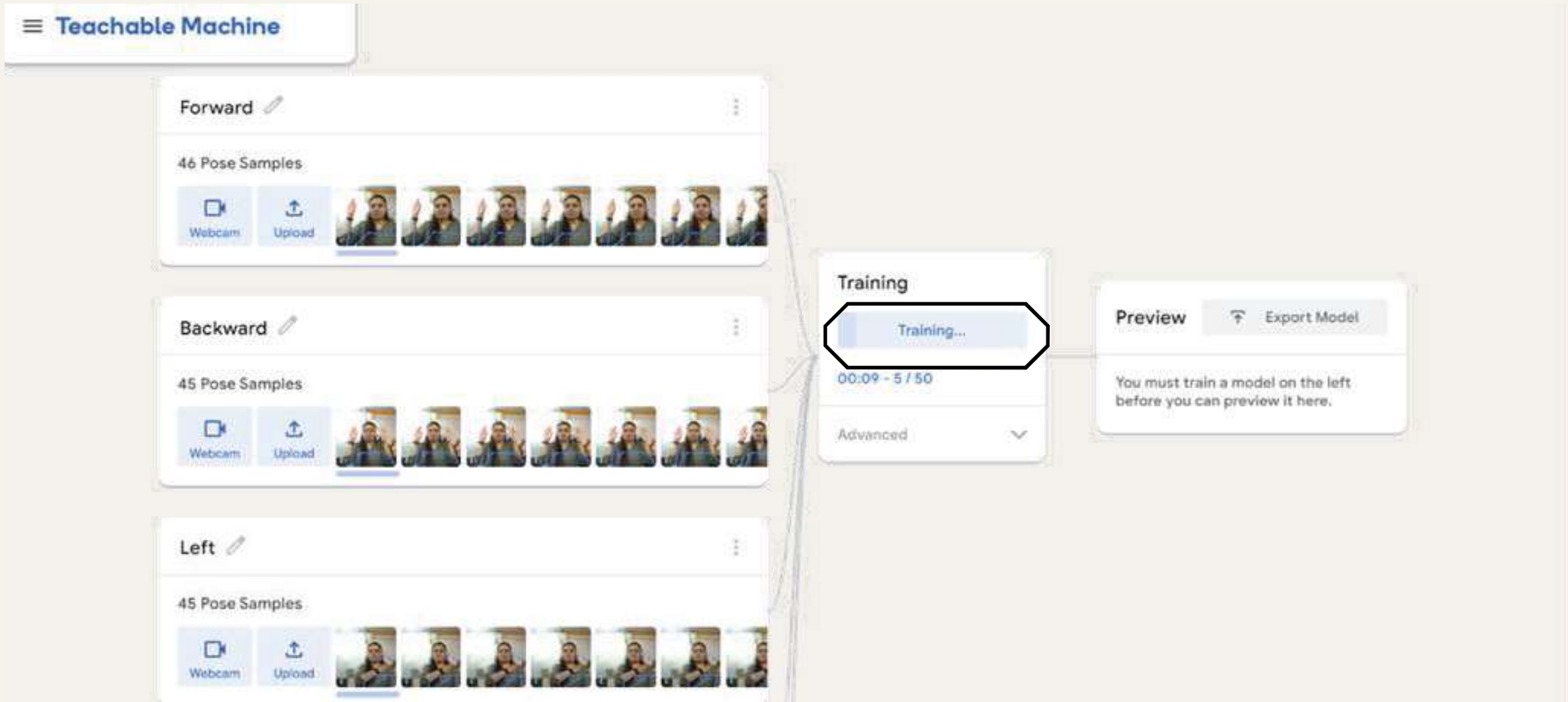
continue to next. . . .

Step 4: - Click on the Train Model option.



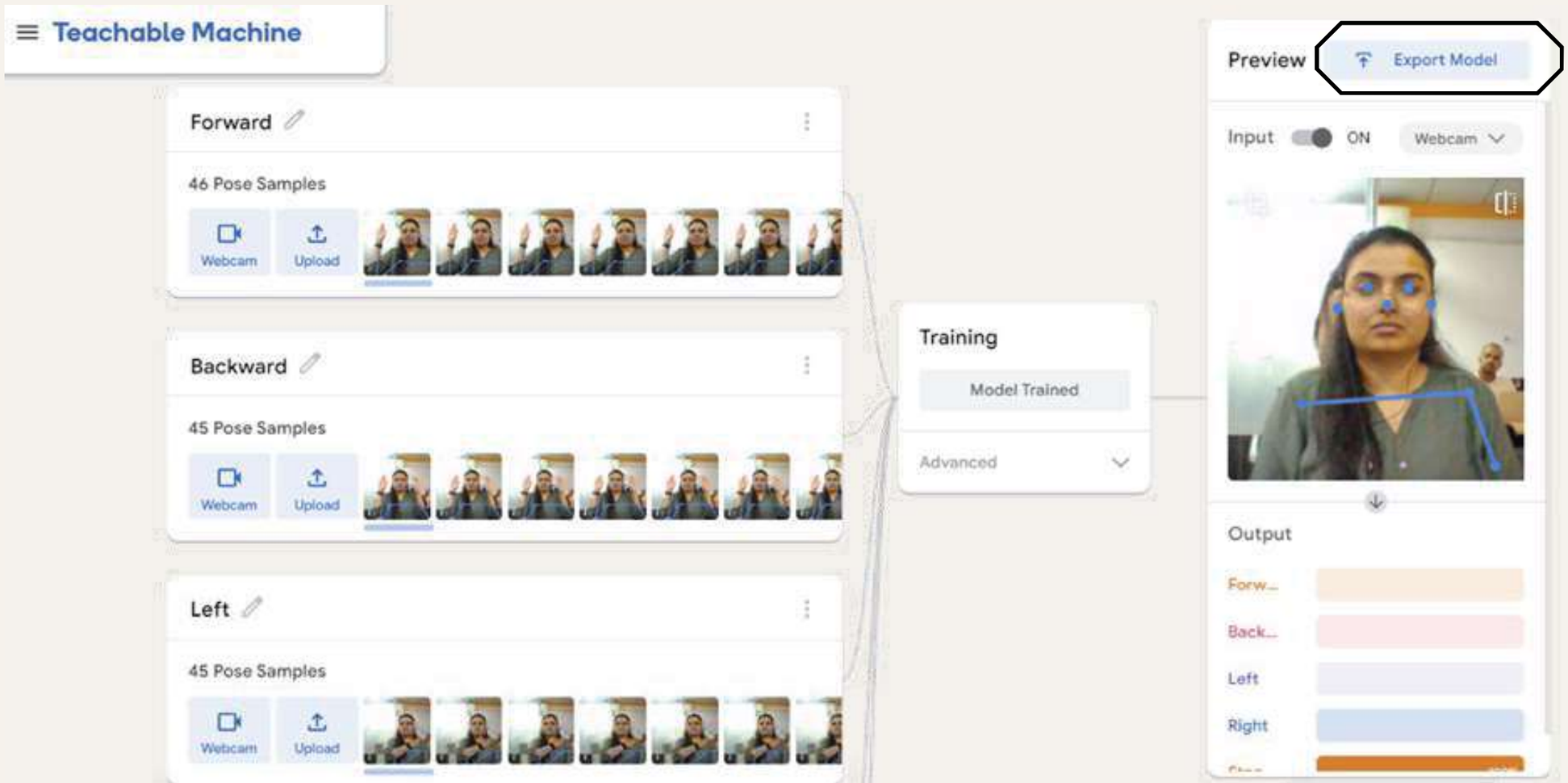
continue to next. . . .

Step 5: - Model is start training



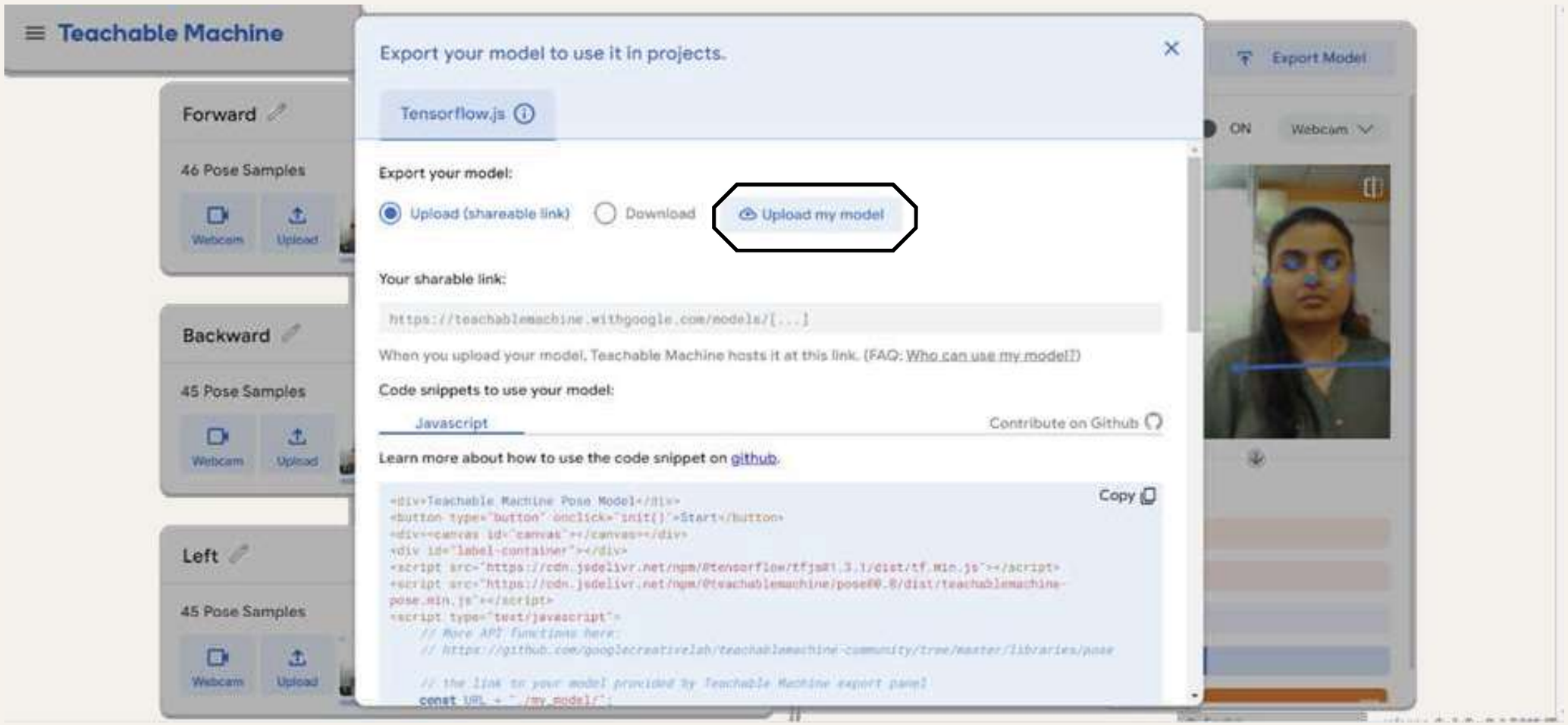
continue to next. . . .

Step 6: - Click on Export model



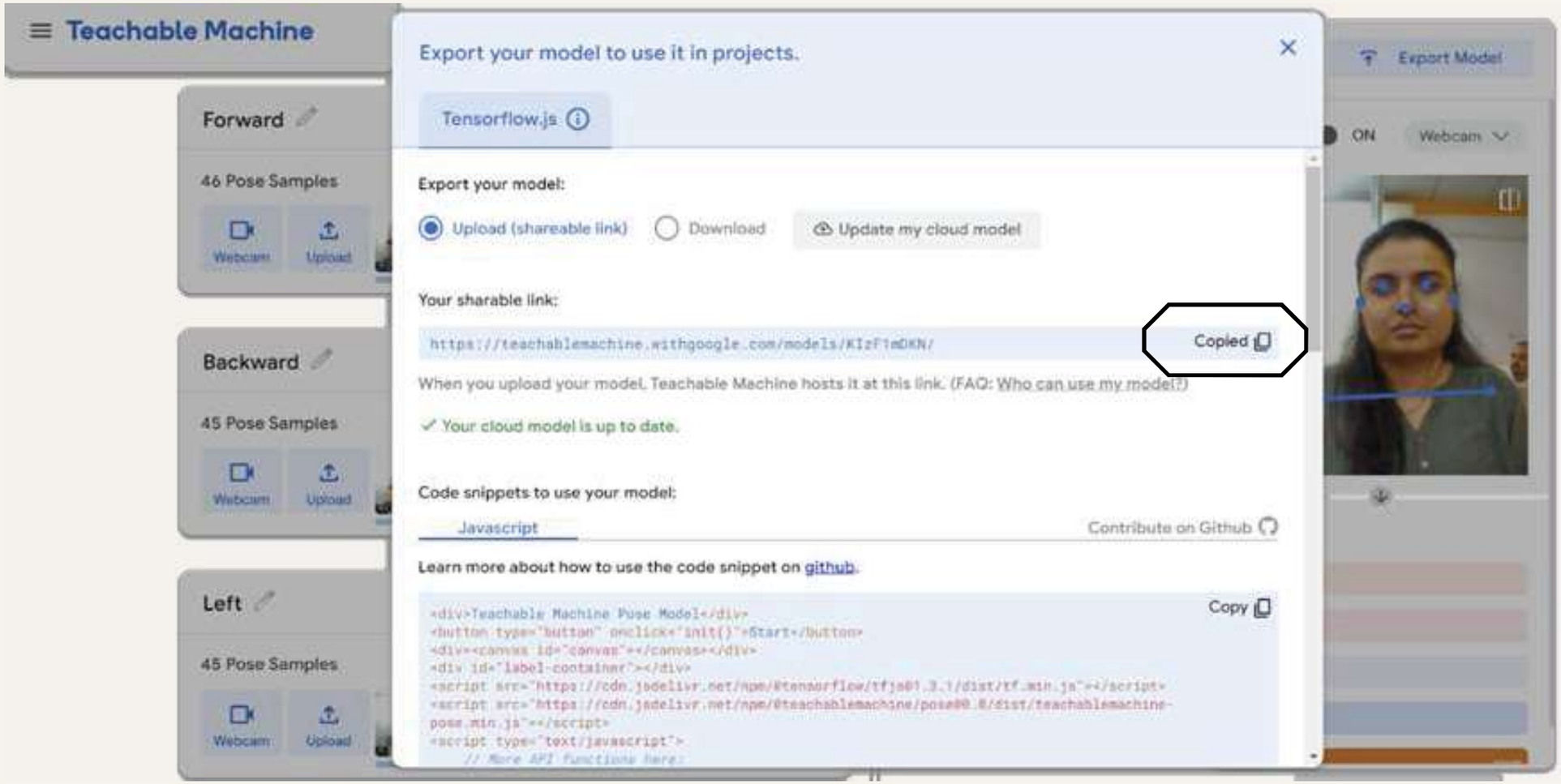
continue to next. . . .

Step 7: - click on upload my channel



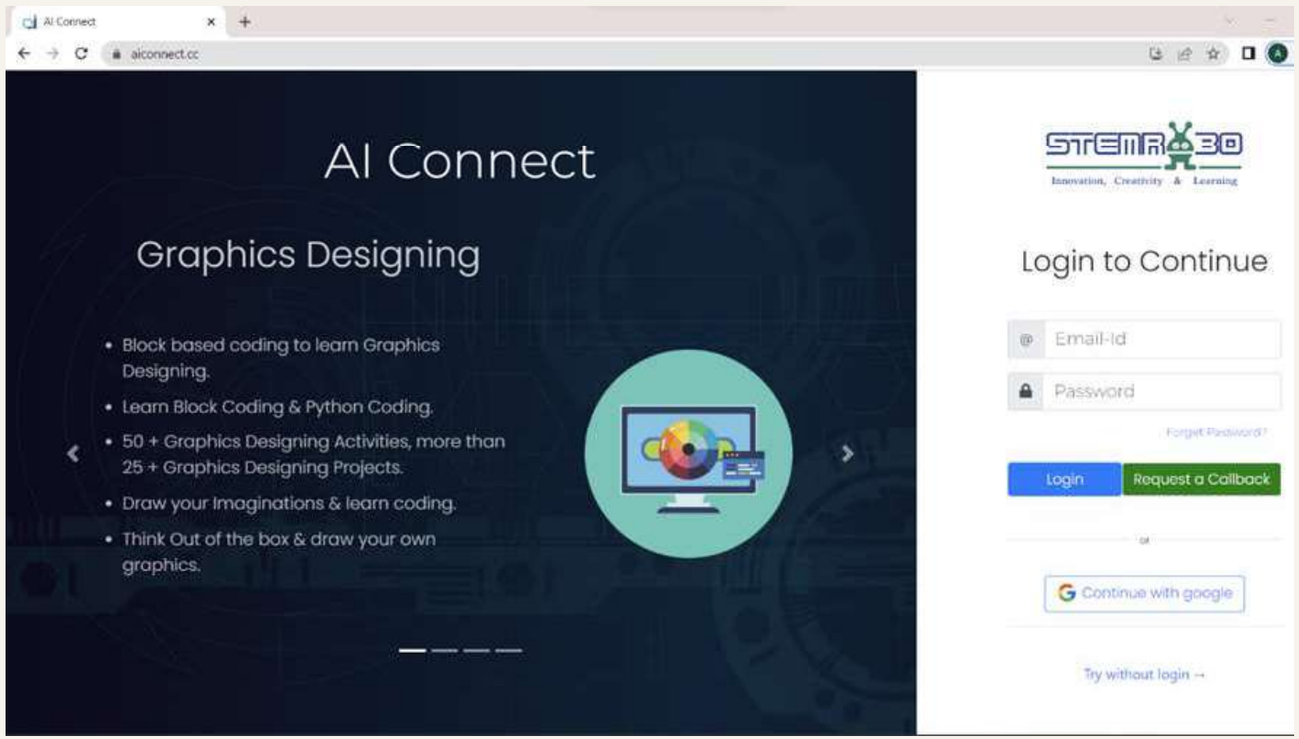
continue to next. . . .

Step 8: - copy the link.



Source Code

Step – 1 Go to https://aiconnect.cc/login.

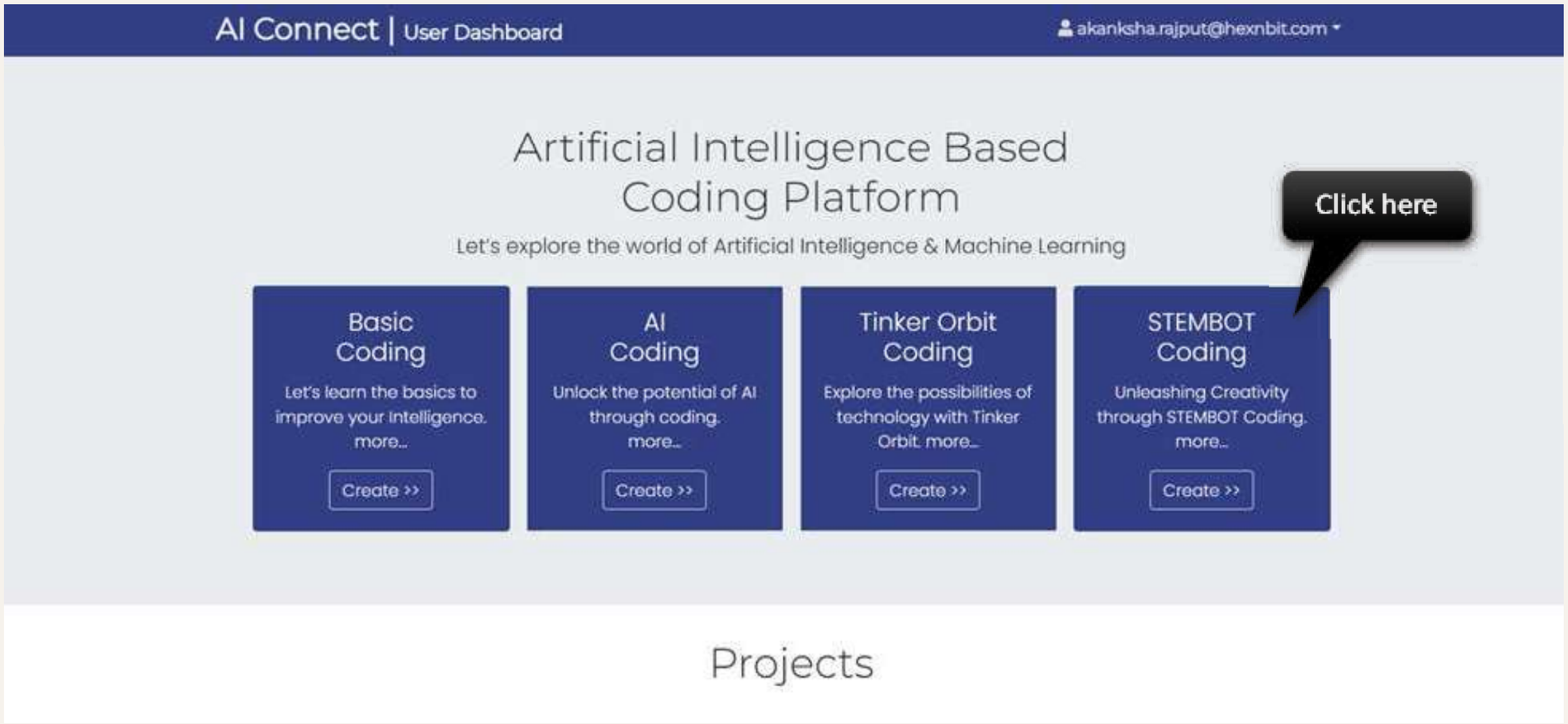


continue to next. . . .

Step-2 Log-in through your aiconnect mail id & password/ continue with google.

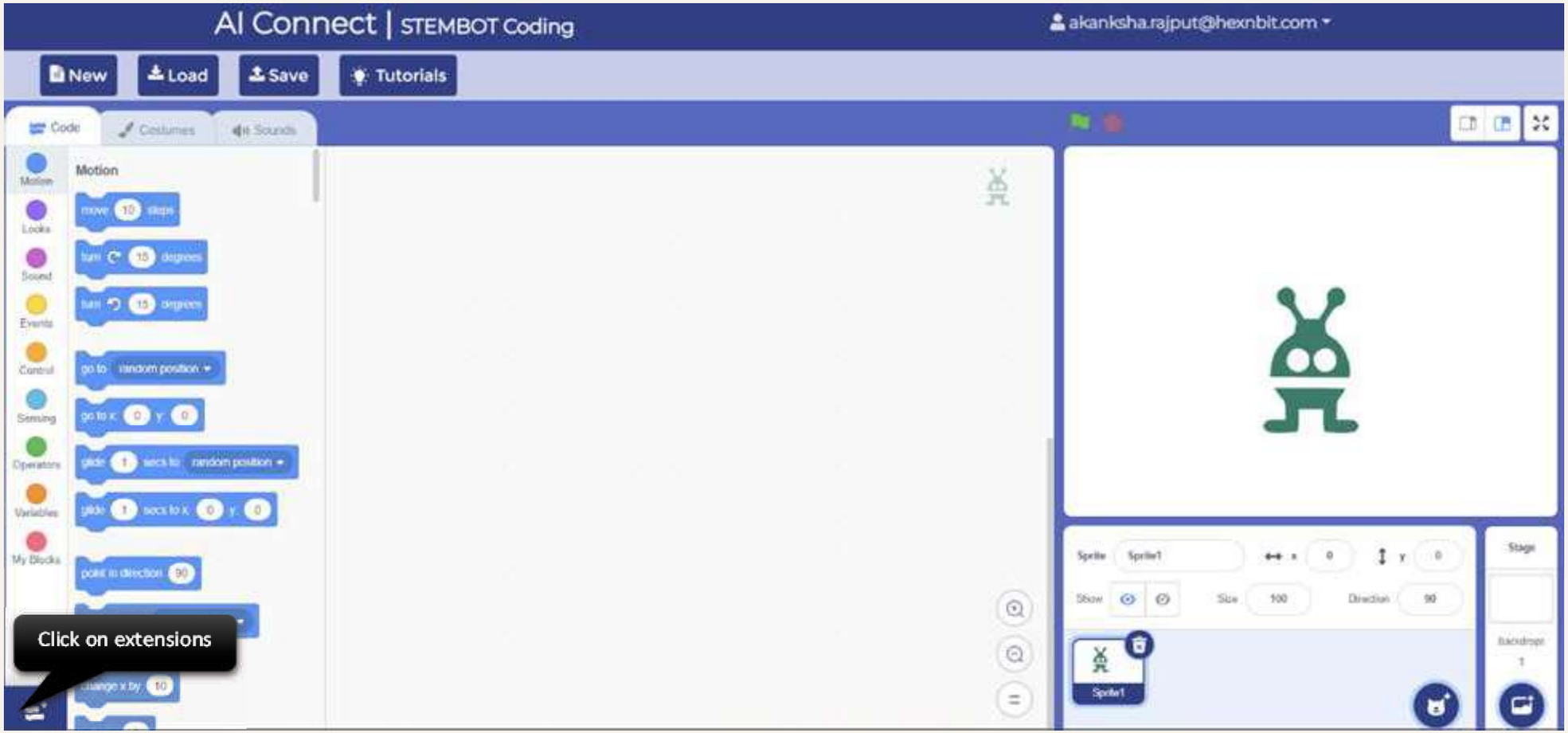
continue to next. . . .

Step – 3 Click on STEMBOT Coding to create a project/ click on create.



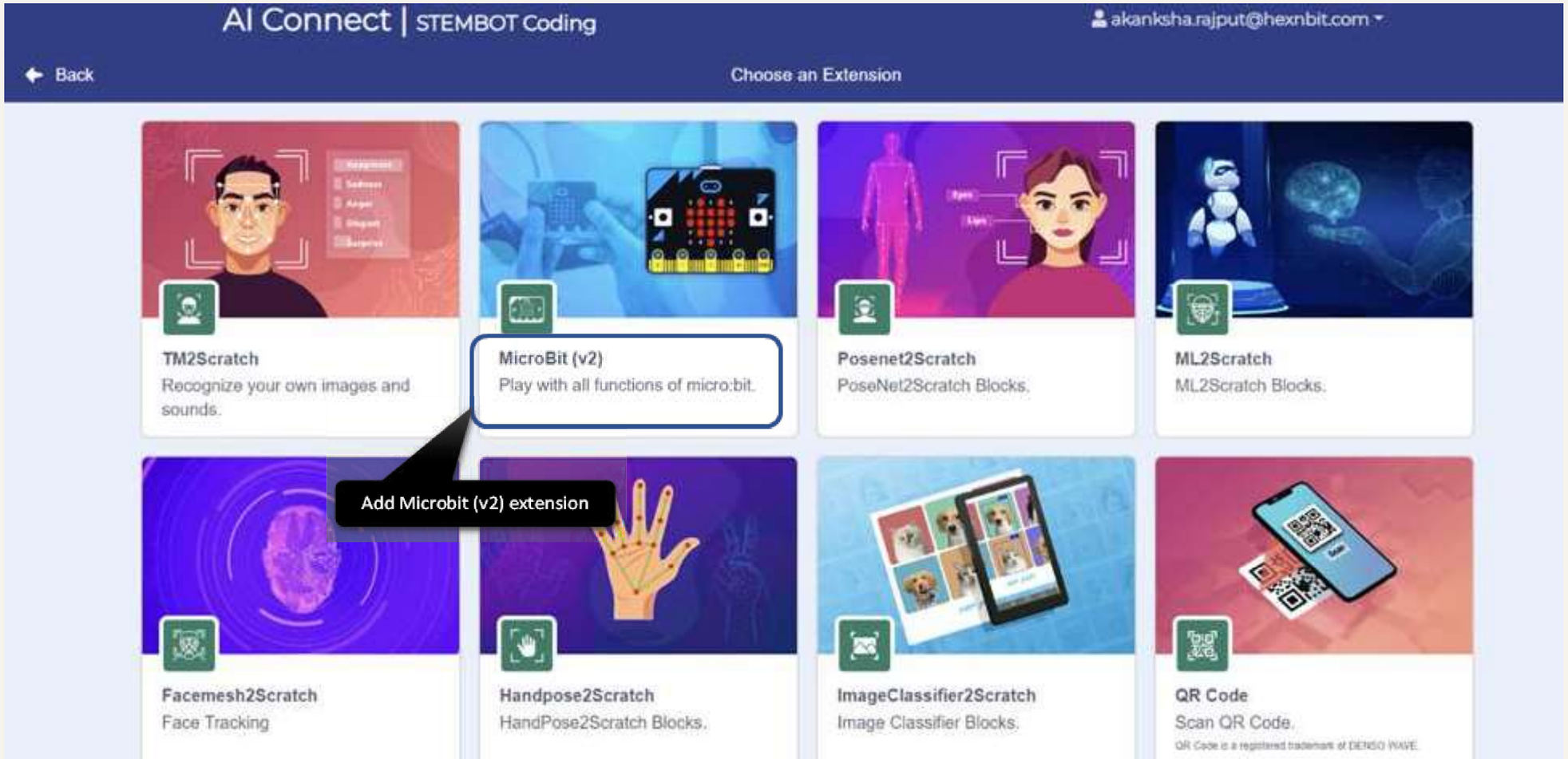
continue to next. . . .

Step-4 Click on extensions.



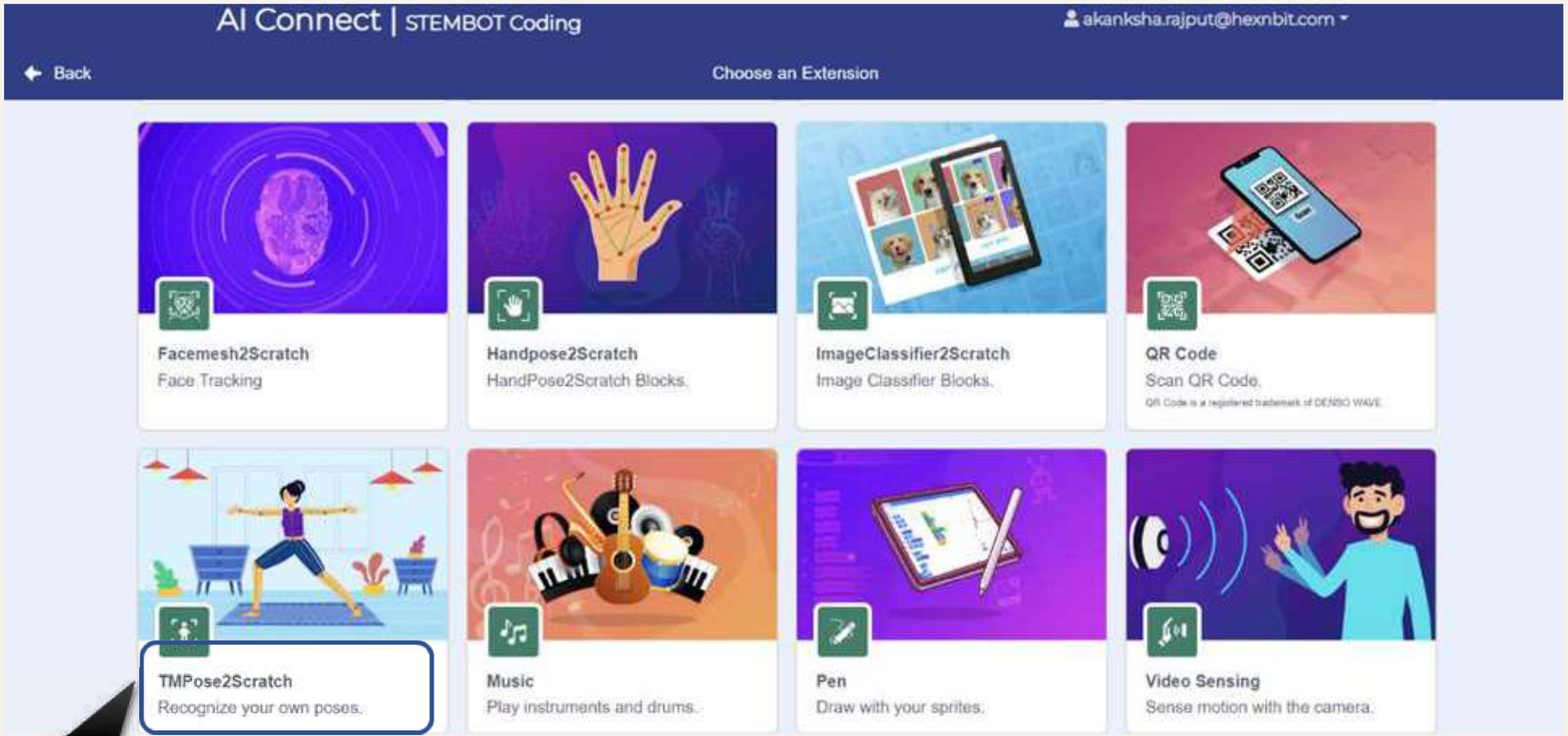
continue to next. . . .

Step-5 Add Micro: bit V2 and Google teachable (Pose) extensions.



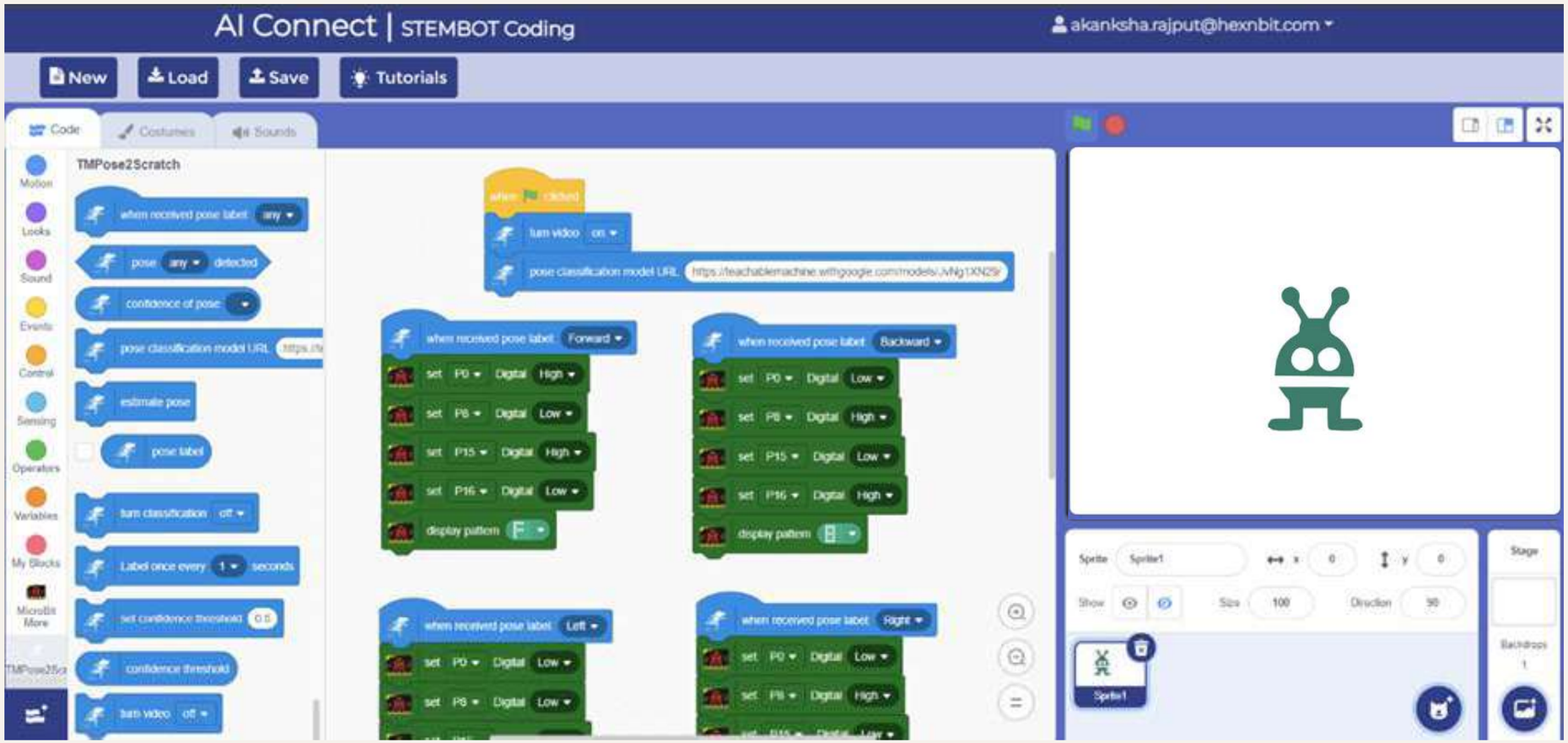
continue to next. . . .

Step-5 Add Micro: bit V2 and Google teachable (Pose) extensions.



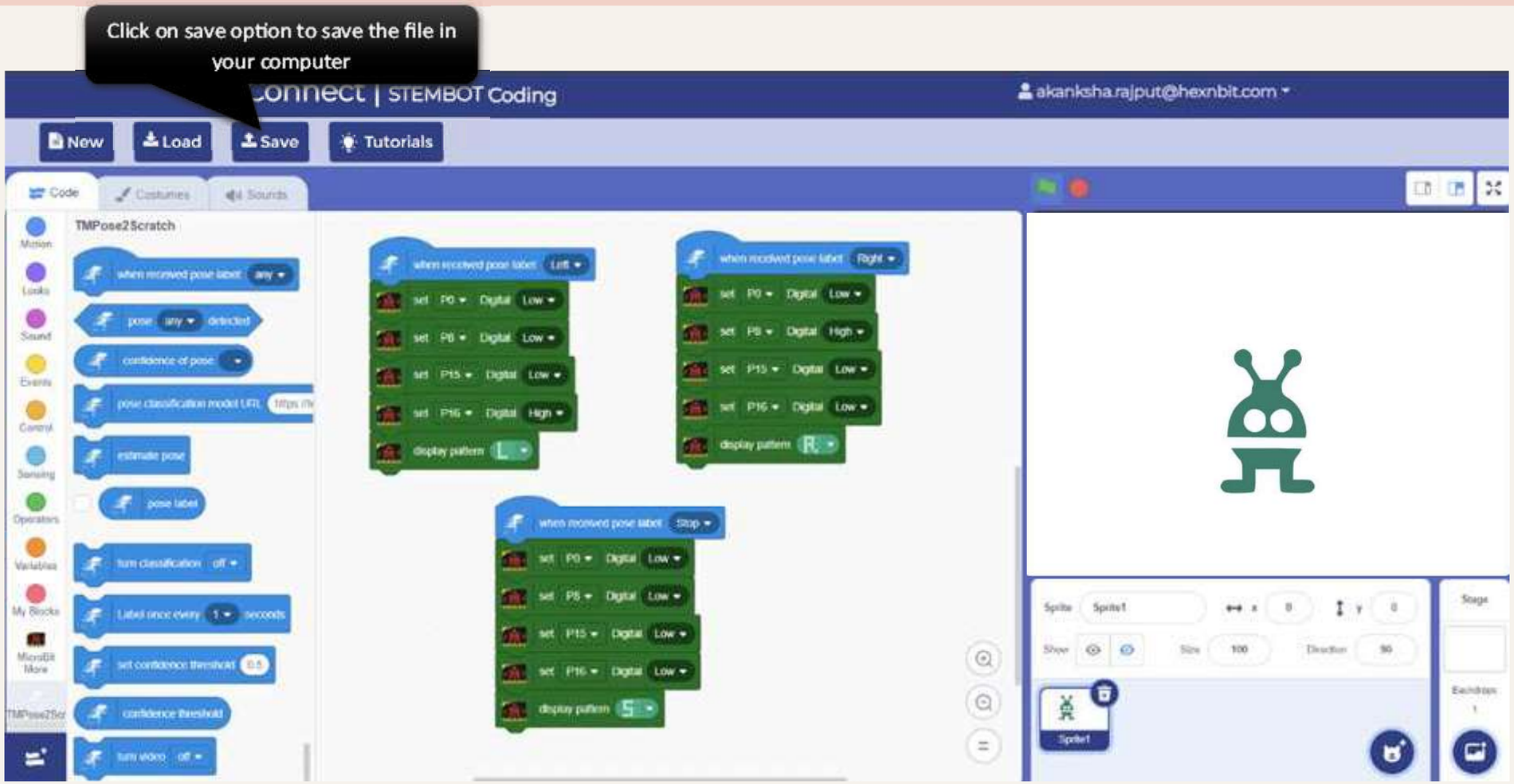
continue to next. . . .

Step- 6 Write the following code on the workspace by dragging the blocks.



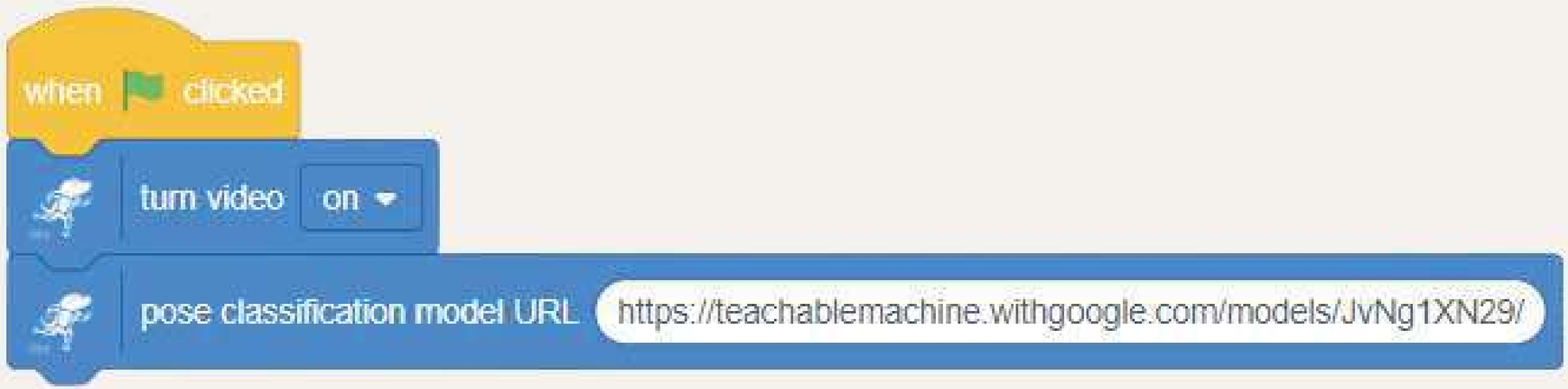
continue to next. . . .

Step- 6 Write the following code on the workspace by dragging the blocks.



continue to next. . . .

Step- 6 Write the following code on the workspace by dragging the blocks.



continue to next. . . .

Step- 6 Write the following code on the workspace by dragging the blocks.

continue to next. . . .

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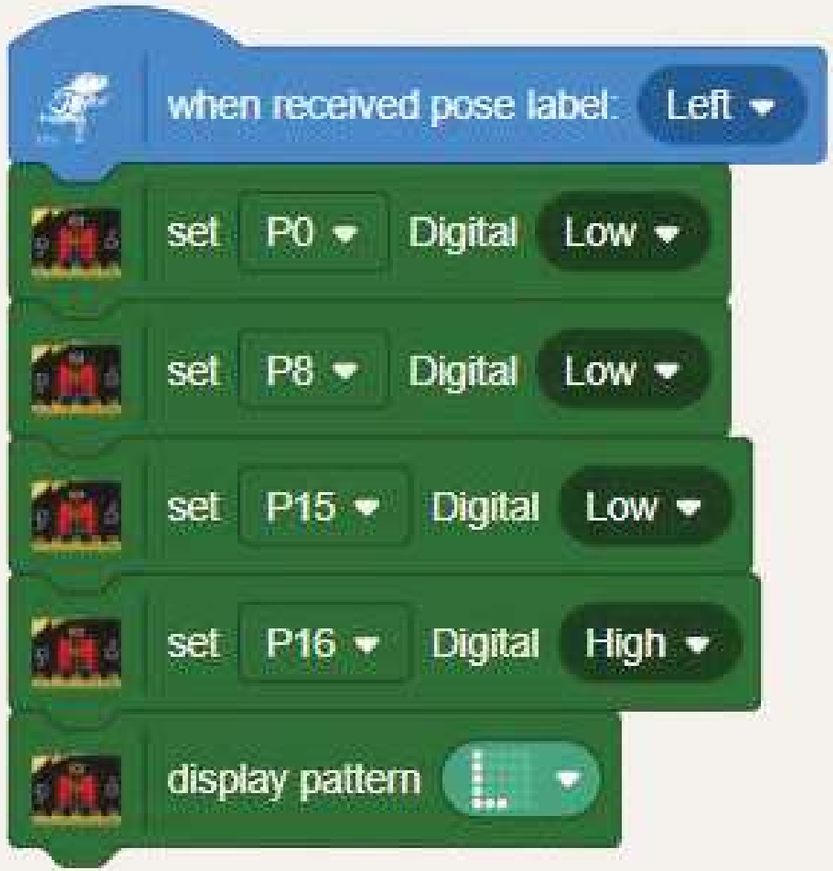
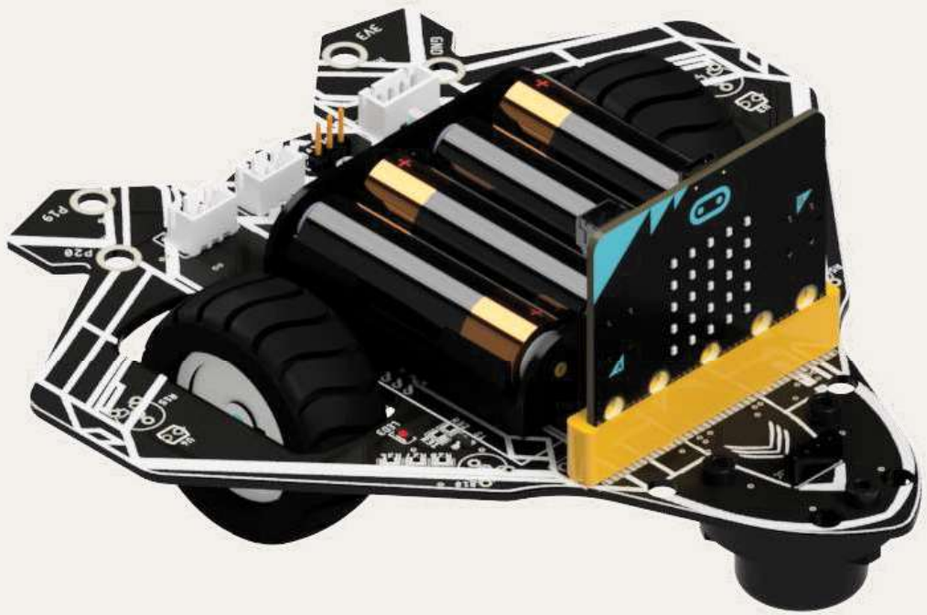


continue to next. . . .

Step- 6 Write the following code on the workspace by dragging the blocks.

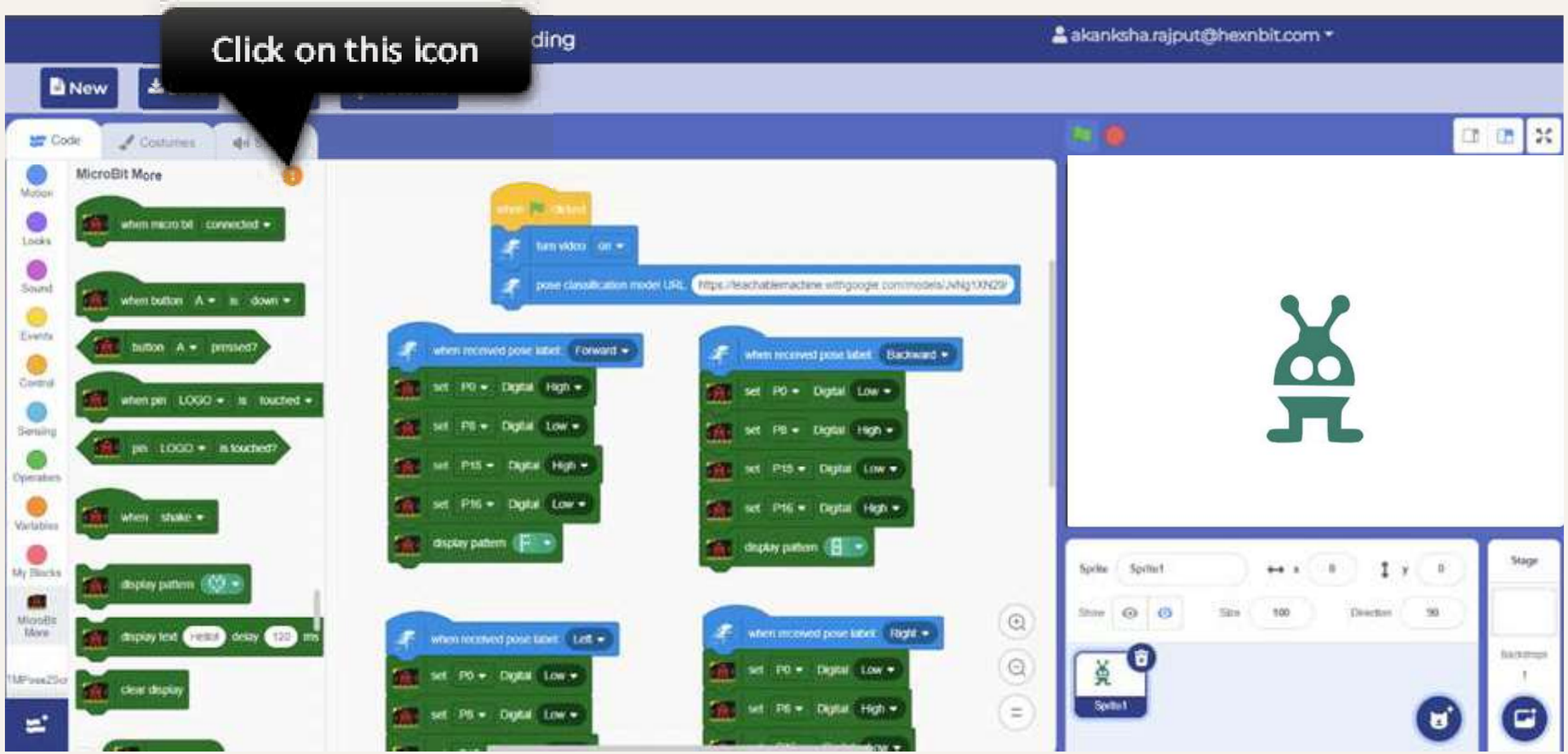
continue to next. . . .

Step- 7 Connect the micro: bit with STEMBOT. And power up the robot by pressing the power button.



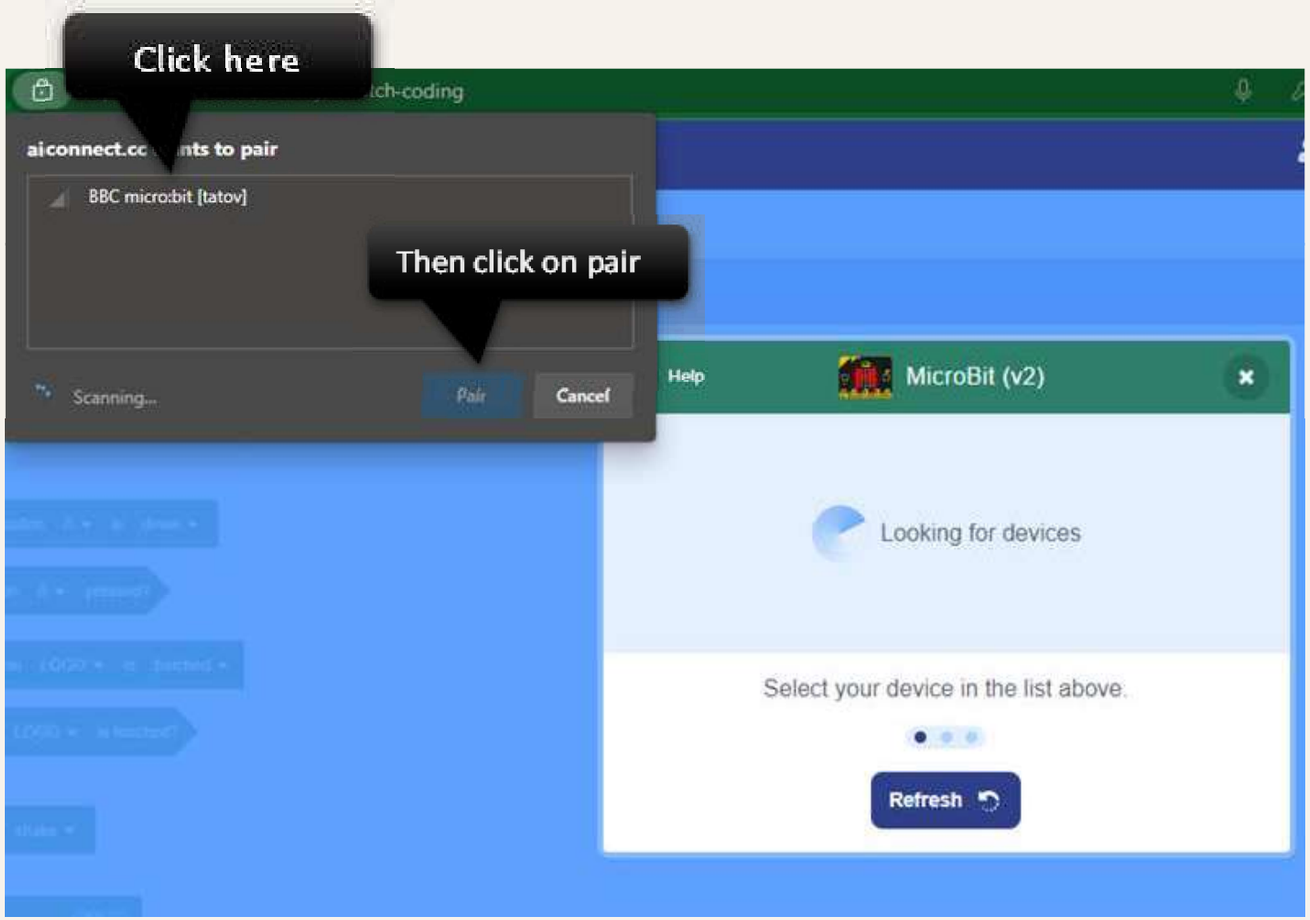
continue to next. . . .

Step- 8 Now connect your micro: bit with aiconnect platform.



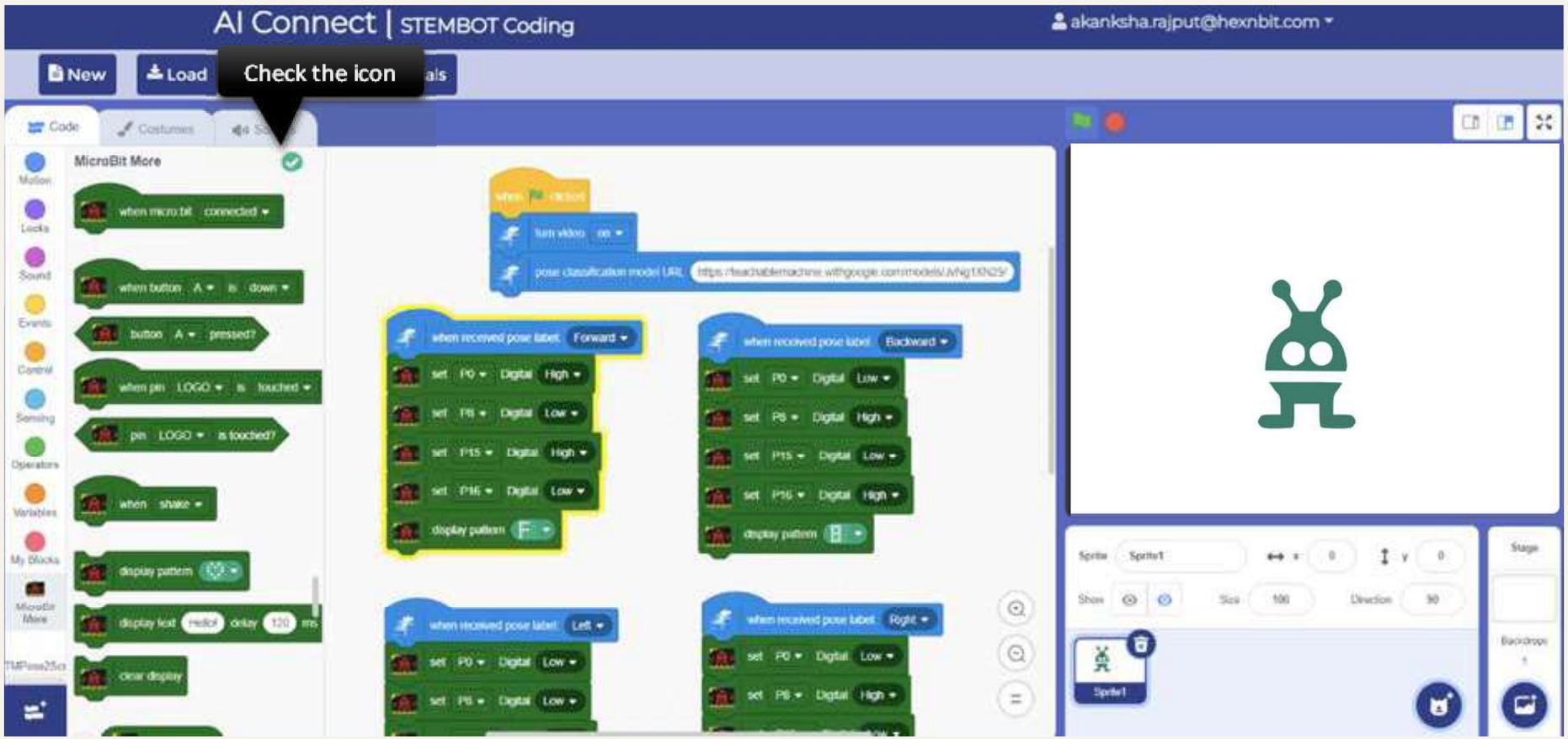
continue to next. . . .

Step- 9 A pop-up window will come where you can see your micro: bit name. Click on the name then click on the pair option.



continue to next. . . .

Step- 10 Now you can see a green tick icon that means micro: bit is connected with the aiconnect platform via Bluetooth.



Thank you