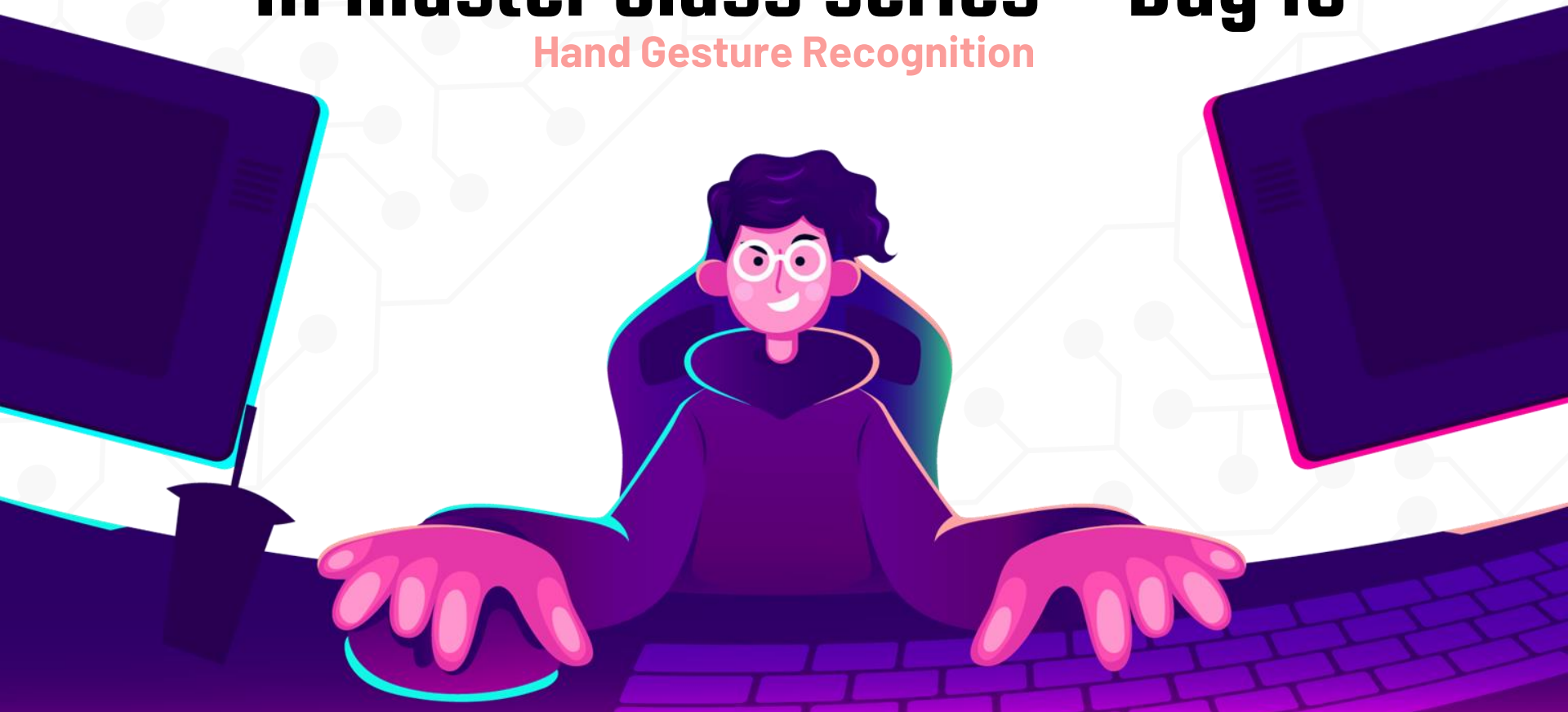




AI Master Class series – Day 13

Hand Gesture Recognition



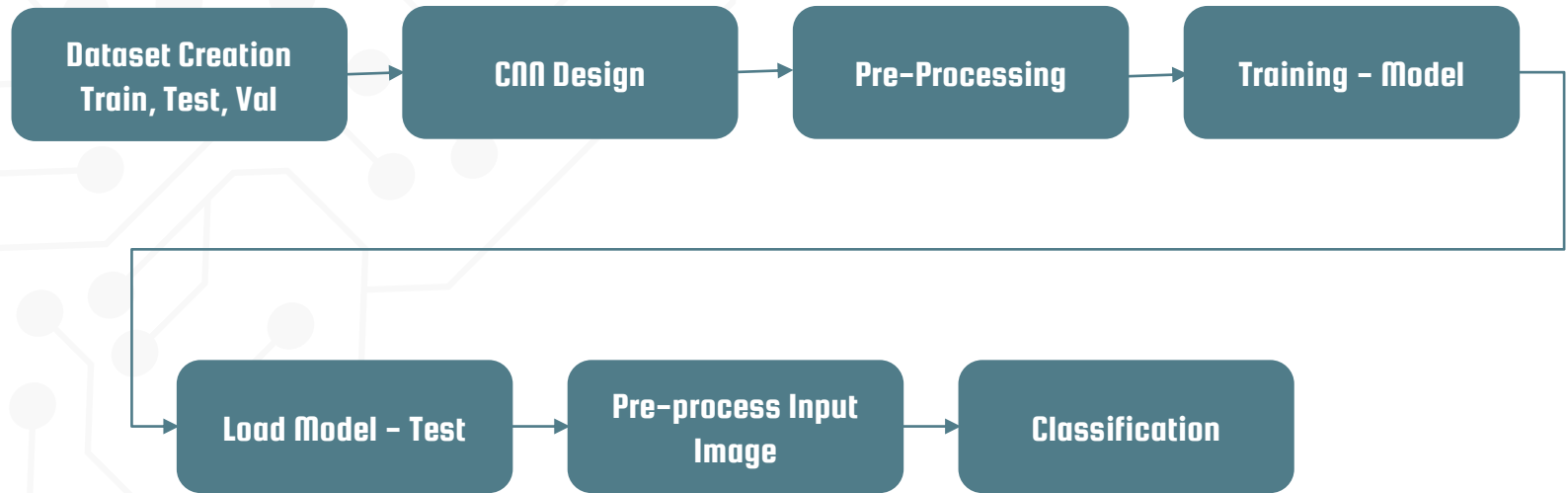
Hand Gesture Recognition.

Human gestures include different components of visual actions such as motion of hands, facial expression, and torso, to convey meaning. So far, in the field of gesture recognition, most previous works have focused on the manual component of gestures.

A hand gesture recognition system provide a natural, innovative and modern way of non verbal communication. It has a wide area of application in human computer interaction and sign language



Block Diagram – Workflow of Hand Gesture recognition – CNN.



Early Stopping.

```
EarlyStopping(monitor='val_loss',patience=10),  
ModelCheckpoint(filepath="model.h5",monitor='val_loss',save_best_only=True,verbose=1)]
```

- It is used to stop the model training in between.
- We defined what to monitor while saving the model checkpoints.
- We also need to define the factor we want to monitor while using the early stopping function.
- We will monitor validation loss for stopping the model training. Use the below code to use the early stopping function.

! PRACTICAL SESSION !



INTERN PARTICIPANTS

**Real time Hand Gesture recognition
using Computer Vision – BONUS**



Hand Gesture recognition using Deep Learning



Thanks!

Do you have any questions?
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Tomorrow session

Leaf disease detection

