

# Deep Dive: Computer Vision

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## Week-5

Hope you guys are enjoying the SoC project till now, and have completed the first checkpoint successfully! Now that you are comfortable with the fundamentals of Computer Vision and Image Processing, let's deep dive into some of the advanced topics.

This is a Coursera course on advanced topics in Computer Vision. It covers topics like image classification, object localization, object detection models, transfer learning, CNNs, visualisation and interpretability.

[Advanced Computer Vision with TensorFlow](#)

This is a **compulsory course**, and we want you to go through the whole course by this week (we assume you know how to audit a Coursera course by now). As always, if you face any roadblocks while studying any topic, feel free to ask us your doubts!

After completing the course, complete the following short assignment:

### Short Assignment

- Choose **any 2 topics** from those **taught in the course**, and implement them on any data of your choice. You are free to choose any topic you want, as long as it is **implemented correctly** and the results are clear.
- If you have got conceptual understanding through the course but are unsure on how to implement the topics you wish to implement, reach out to us. However we would encourage you to give it a good attempt and *try to implement it by yourselves!*
- You will find many good resources on the internet for the same, and hence we are leaving that step up to you according to your topic of choice.
- As always, **submit the codes** on your **GitHub repository**.

**A quick note**, those of you who have not submitted your GitHub repo yet, you are free to stop working on this project as we **won't** be giving you guys the certificate.