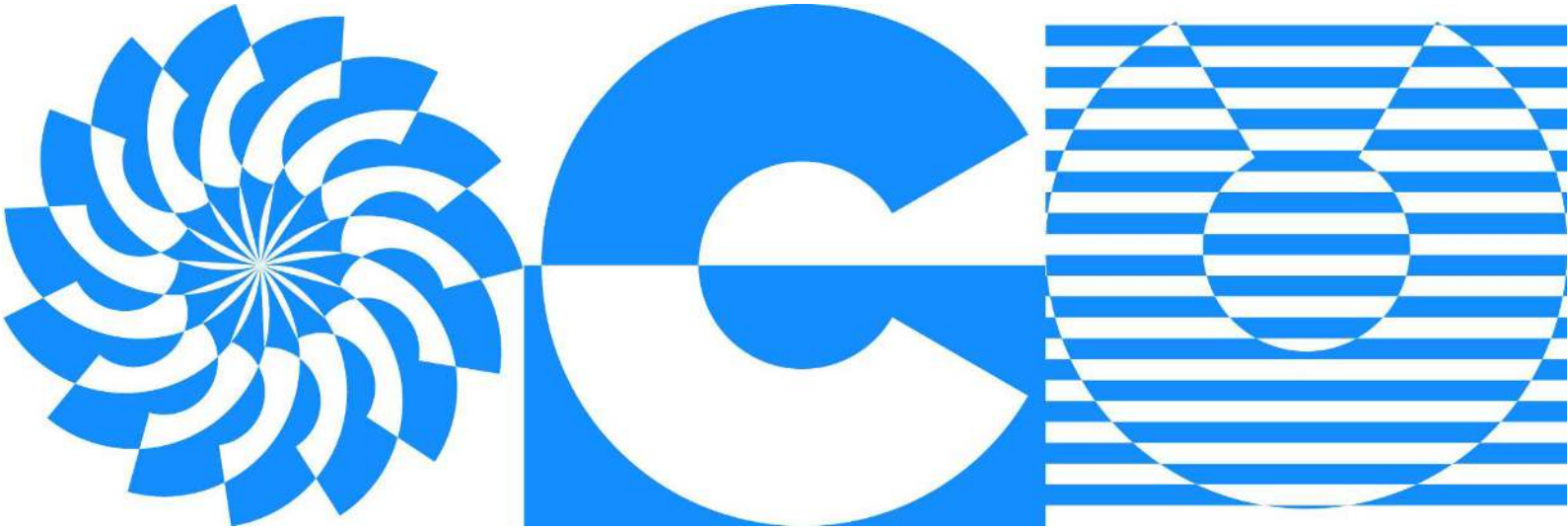


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DLAP

Computer Vision & Deep Learning Applications

[Detailed Curriculum](#)



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The course is being updated and a new version of the course is planned to be released by Sept 30 2024. You will get access to both the versions of the courses. The syllabus mentions the updates marked in red in the relevant areas.

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5 Introduction To Deep Learning

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- 5.2.1 Deep Learning frameworks
- 5.2.2 The Keras Framework
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- 5.3.2 Example: Image Classification using CNN
- 5.3.3 Data Augmentation (Python)

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- 5.4.1 Weights and Biases Logging
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 - 6.2.1 Inference using YOLOv3
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- 6.3 YOLO-NAS [Will be added as part of the course update]**
 - 6.3.1 Inference using YOLO-NAS
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- 6.4 RT-DETR [Will be added as part of the course update]**
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 - 7.2.2 Introduction to OCR using Tesseract
 - 7.2.3 Tesseract OCR failure cases
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- 7.3 Text Detection**
 - 7.3.1 Text Recognition using EAST
 - 7.3.2 Text Recognition using CRAFT (Python)
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7.6 Fine-Tuning Transformer OCR (TrOCR)

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