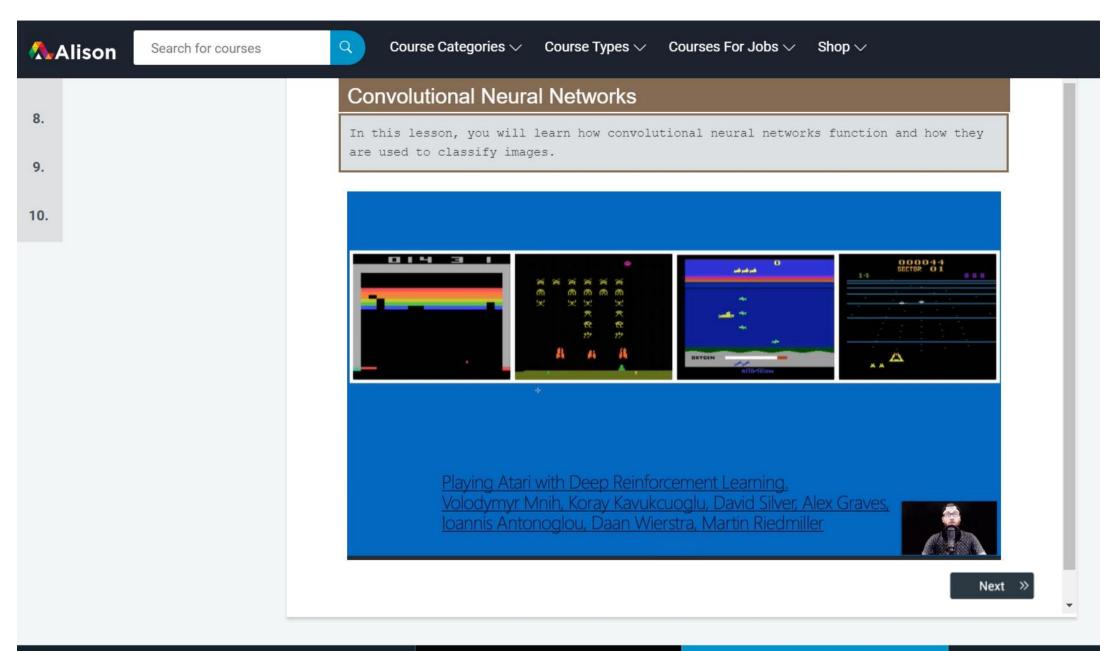
Chandana patil



moved and ended functions are added to the VC file.

8.

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Xcode File Edit View Find Navigate Editor Product Debug Source Control Window Help ⊚53 🗈: 🗓 🛇 🖢 🔞 🔡 📆 🛊 🕙 🐠 💝 🖵 83% 🕬 🖫 Thu 2:46 PM Caleb Stultz Q 🔗 😑 0 0 AppOelegate swift
CrawinglyC swift
Main storyboard
Assets xeassets LaunchScreen.story/board UIKit DrawingVC: UIViewController { @IBDutlet weak ver drawingImageView: UIImageView! @IBDutlet weak ver predictionLabel: UILabel! var lastPoint = CGPoint.zero override func viewDidLoad() { viewDidLoad() override func touchesBegan(_touches: Set<UITouch>, with event: UIEvent?) {
 if let touch = touches.first { lastPoint = touch.location(in: drawingImageView) override func touchesMoved(_ touches: Set<UlTouch>, with event: UlEvent?) { A Expression implicitly coerced from 'CGPoint?' to Any override func touchesEnded(_ touches: Set<UITouch>, with event: UIEvent?) { D () 0 D Label Label - A variably sized amount of #IBAction func predictBtnWasPressed(_ sender: Any) {
 // predict using our model P D B Oute

Next >>



Alison

Lesson Summary

Q

- In this module you were shown how to build an app that can recognise handwriting, using the core ML model.
- A new Xcode project was set up; a black box, label and button were added to the view controller (VC) and configured.
- Instructional text was added to the label, to direct users to tap the Predict button.
- When a number is hand written in the app and the Predict button is tapped, this converts the handwritten image into a 28 x 28 pixel image which is matched against a repository of data.
- The user interface (UI) was set up to recognise handwriting input.
- The 'touch' began, moved and ended functions were added to the VC file.
- A 'draw line' function was added, to convert moving touch into a line or image.
- Values were entered to specify how the line or drawing appears, in terms of size, shape and colour.
- A function was entered to recognise when touch or drawing stops.
- Drawing was tested in the simulator and the result was successful.
- A function was added to remove the most recent drawing from the screen, when a new touch is started.
- Core ML and the Vision framework was used to implement the prediction function.

Next