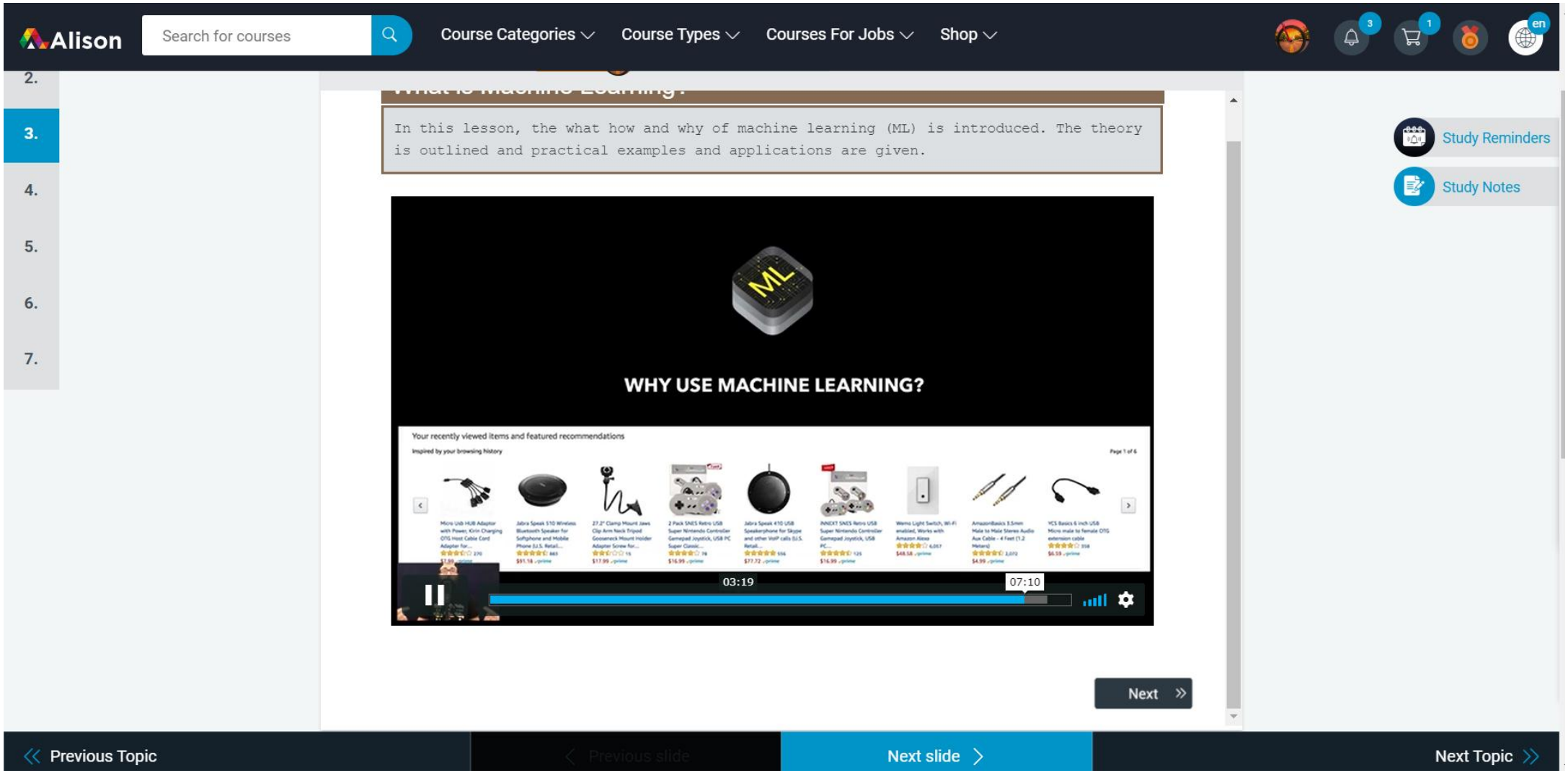
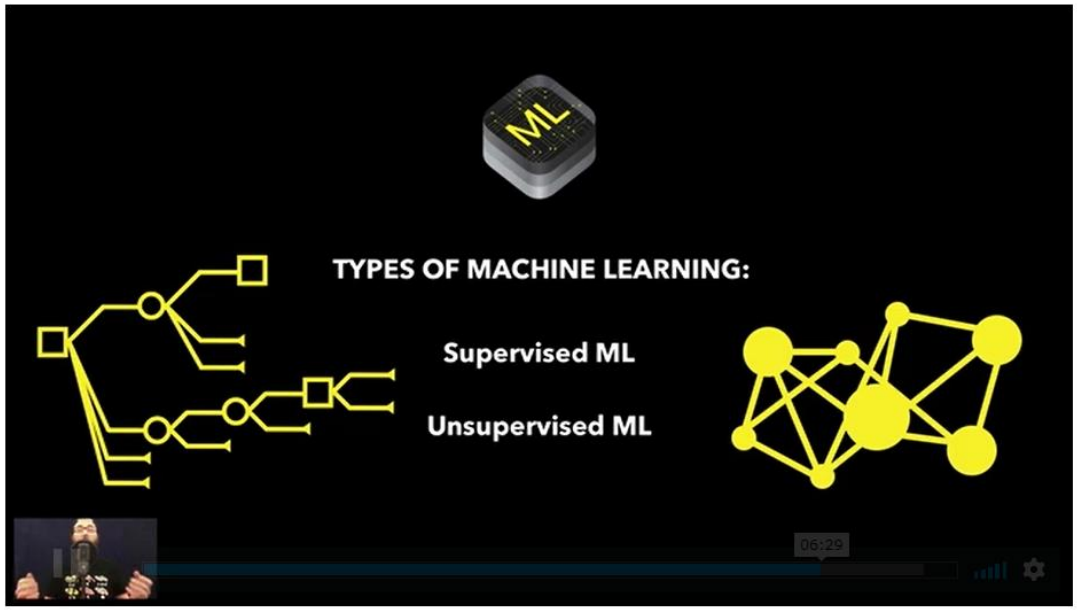
chandana patil



In this lesson, the what how and why of machine learning (ML) is introduced. The theory is outlined and practical examples and applications are given.



Next

Study Reminders
Study Notes

In this lesson, the five step process of integrating machine learning (ML) into an app project is discussed, i.e. data, preparation, training, testing and improvement.

Next

Study Reminders
Study Notes
Previous Topic
Previous slide
Next slide
Next Topic

2.
3.
4.
5.
6.
7.

Study Reminders
Study Notes

Essential Software - Lesson Summary

Module Progress: 86%

- Models are exposed to lots of information, for example hundreds of different pictures of TV remote controls. The model "learns" to classify objects that have a certain size, shape and buttons.
- ML can be applied in many ways: doctors can use it to diagnose diseases; it can be used to match people for relationships, by analysing their habits and patterns; it can be used to analyse costly manufacturing procedures, for example will this engine work or will a certain part fail?
- A model may be shown many pictures of different cats and dogs, before it is able to identify generic features and classify pictures correctly.
- The number one reason for using ML in an app, is it makes it easy to personalise the app for the user. You can add features that pay attention to what the user does and make suggestions and predictions based on that.
- On Amazon.com, suggestions and recommendations appear for users, based on their shopping habits and those of other buyers.
- There are five main steps for integrating machine learning (ML) into a project: (1) Get data (2) Prepare data (3) Train the model (4) Test the model (5) Improve the model.
- Anaconda enables a user-friendly Python programming environment for ML and includes multiple libraries, making it highly convenient.
- Atom IDE provides smarter context-aware auto-completion, outline view and go-to definition ability.

MODULE 1 Essential Software Complete

In this module you'll learn about essential software for machine learning and it covers topics such as What is Machine Learning?; Machine Learning Basics; Installing Anaconda; Atom and Plugins.

Essential Software - Learning Outcomes	Topic Completed
Introduction To The Course	Topic Completed
What Is Machine Learning?	Topic Completed
Machine Learning Basics	Topic Completed
Installing Anaconda	Topic Completed
Atom And Plugins	Topic Completed
Essential Software - Lesson Summary	Topic Completed