Deep Learning on AWS (AWS-LEARN)

COURSE OVERVIEW
Deep Learning on AWS is a one-day course that introduces you to cloud-based Deep Learning (DL) solutions on Amazon Web Services (AWS). The training will detail how deep learning is useful and explain its different concepts. This course also teaches you how to run your models on the cloud using Amazon SageMaker, Amazon Elastic Compute Cloud (Amazon EC2)-based Deep Learning Amazon Machine Image (AMI) and MXNet framework. In addition, you will gain a better understanding of deploying your deep learning models using AWS services like AWS Lambda and Amazon EC2 Container Service (Amazon ECS) while designing intelligent systems on AWS, based on Deep Learning.

WHO WILL BENEFIT FROM THIS COURSE?
This course is intended for:
- Developers responsible for developing Deep Learning applications
- Developers who want to understand concepts behind Deep Learning and how to implement a Deep Learning solution on AWS

PREREQUISITES
We recommend that attendees of this course have the following prerequisites:
- Basic understanding of machine learning processes
- Basic understanding of AWS core services like Amazon EC2 and knowledge of AWS SDK
- Basic knowledge of a scripting language e.g. Python

COURSE OBJECTIVES
This course teaches you how to:
- Define machine learning and deep learning.
- Identify the concepts in a deep learning ecosystem.
- Leverage Amazon SageMaker and MXNet programming framework for deep learning workloads
- Fit AWS solutions for deep learning deployments.

COURSE OUTLINE
- Introduction to Machine Learning
- Introduction to Deep Learning
- Lab 1: Setting up a Deep Learning AMI instance and running a multilayer perceptron model
- Introduction to MXNet on AWS
- Lab 2: Running a convolutional neural network model and predicting images on CIFAR-10 dataset
- Deploying Deep Learning Workloads on AWS
- Lab 3: Deploying a Deep Learning model for predicting images using AWS Lambda

WHY TRAIN WITH SUNSET LEARNING INSTITUTE?

Sunset Learning Institute (SLI) has been an innovative leader in developing and delivering authorized technical training since 1996. Our goal is to help our customers optimize their technology Investments by providing convenient, high quality technical training that our customers can rely on. We empower students to master their desired technologies for their unique environments.

What sets SLI apart is not only our immense selection of trainings options, but our convenient and consistent delivery system. No matter how complex your environment is or where you are located, SLI is sure to have a training solution that you can count on!

Premiere World Class Instruction Team

- All SLI instructors have a four-year technical degree, instructor level certifications and field consulting work experience
- Sunset Learning has won numerous Instructor Excellence and Instructor Quality Distinction awards since 2012

Enhanced Learning Experience

- The goal of our instructors during class is ensure students understand the material, guide them through our labs and encourage questions and interactive discussions.

Convenient and Reliable Training Experience

- You have the option to attend classes live with the instructor, at any of our established training facilities, or from the convenience of your home or office
- All Sunset Learning Institute classes are guaranteed to run – you can count on us to deliver the training you need when you need it!

Outstanding Customer Service

- You will work with a dedicated account manager to suggest the optimal learning path for you and/or your team
- An enthusiastic student services team is available to answer any questions and ensure a quality training experience

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