AWS Discovery Days – Machine Learning Basics

DURATION: 4. 0 HOURS

Description: Are you interested in machine learning, but not sure where to start? Join us for this session with an AWS expert and demystify the basics. Using real-world examples, you'll learn about important concepts, terminology, and the phases of a machine learning pipeline. Learn how you can unlock new insights and value for your business using machine learning.

Level: Fundamentals

Event Outline:

Topic 1: Introduction to ML

- a) What is machine learning?
- b) Difference between classical programming approach and ML approach.
- c) Difference between AI, ML and Deep learning.
- d) Type of problem ML can resolve.
- e) Types of machine learning.
- f) What is Algorithm?
- g) What is Model?

Topic 2: Amazon SageMaker

- a) Benefits of using Amazon SageMaker.
- b) Components of Amazon SageMaker
- c) Ground Truth
- d) Demo: Create a notebook instance
- e) Demo: Working with Ground Truth

Topic 3: Phases on machine learning

- a) Business problem
- b) Data collection and integration
- c) Data processing and visualization
- d) Feature engineering
- e) Model training and tuning
- f) Model evaluation
- g) Model deployment
- h) Demo: How to work with Data collection and Data Preprocessing
- i) Demo: How to train a model in SageMaker
- j) Demo: Implement One hot encoding
- k) Demo: How to deploy model

Topic 4: Courses

    a)   Practical Data Science with Amazon SageMaker

    b)   The Machine Learning Pipeline on AWS

    c)   MLOps Engineering on AWS

Topic 5: Who should Attend

This event is intended for:

    a)   Developers

    b)   Solution architects

    c)   Data engineers

    d)   Individuals interested in building solutions with machine learning - no machine learning experience required!

Topic 6: Certification

    a)   AWS Certified Machine Learning - Specialty