SRI VENKATESWARA COLLEGE OF ENGINEERING (SVCE)
PENNALUR, SRIPERUMBUDUR-602117
(An Autonomous Institution)

DEPARTMENT OF INFORMATION TECHNOLOGY

REPORT ON DEPLOYMENT OF MACHINE LEARNING MODELS IN AWS USING FLASK
FRAMEWORK.
SPEAKER: MR. K.B.SUNDHARA KUMAR,ASST.PROF,DEPT. OF IT, SSN COLLEGE OF
ENGINEERING.

Date: 04/07/2020   **Time: 11.00 AM to 12.30 PM**

Objectives

The main objective of webinar is to understand how to deploy machine learning models in Amazon Web Services (AWS) using FLASK framework which is a web micro framework of python. Also, to provide in-depth practical knowledge to the participants on ML models using FLASK framework with example case studies.

About the programme

About 77 participants attended the webinar and the programme highlighted how the businesses can derive AI-driven based data insights and the steps for deploying models in AWS. The speaker delivered some basics of machine learning, introduction to Amazon Web Services (AWS) and introduction to Flask framework. The tools, libraries and the technologies supported by Flask to build a web application was demonstrated to the participants. The webinar focussed on demonstration of steps to build a model and other key variables and, how to create an account in AWS and to launch the instance in AWS. Also, the steps to install all the packages to run the file in AWS box and to test the output in the browser was illustrated to the participants for sample case study. The configuration settings for enhancing the security in AWS and Flask was demonstrated. The programme highlighted how ML models take from conceptualization to production that is typically complex and time-consuming. And how to manage large amounts of data to train the model, choose the best algorithm for training it, manage the compute capacity while training it, and then deploy the model into a production environment.

Benefits

Participants were benefited and gained knowledge on,

1. Python environment setup and FLASK basics.
2. To learn how to a use API to integrate our model into applications and   systems.
2. Creating and deploying a machine learning model in AWS.
3. Creating API using Flask for an example case study.

COORDINATORS

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