

Welcome to ineuron.ai



Google Cloud Platform

Description:

Google Cloud Platform is one of the most used cloud platforms across the globe that work on the same infrastructure that Google uses internally for its end-user products such as - Google Search, Gmail, Google Drive, and YouTube. In addition, we can use these services in different stacks like Machine Learning, Deep Learning, Big Data, etc. This course gives you a detailed understanding of GCP from essential to advanced, which helps you get various opportunities.

Start Date:

Doubt Clear Time:

Course Time:

Features:

Challenges

Downloadable Resources

Quizzes

Assignments in each module

Completion Certificate

What we learn:

Cloud Computing

Compute Service

App Engine

Cloud Storage

Google Cloud Billing

Cloud Pricing

IAM

GCP cloud service with respect to ML, DL, NLP with project implementation

Structured certification based sample questions

Requirements:

No prior knowledge of any language

A system with an internet connection

Dedication

Instructor:

Name:

Khushali Shah

Description:

A data scientist having rich experience working with MNCs and start-ups in the field of data science and machine learning. She has expertise in Chatbot development for various domains &

been developing professionally for 6+ years with diverse job history. She also had positions in software module development, web app development, functional designs, requirement gathering, client interaction, and server setup/admin & can help everywhere in the stack; she loves wearing multiple hats to an extent. She also believes in enhancing her skills by training and learning new things day by day.

>Introduction:

- >>Overview

- >>Introduction to cloud computing

- >>Introduction to google cloud platform and GCP products

- >>Why GCP? creating GCP account

- >>Google cloud overview

>GCP Regions:

- >>GCP regions

>Platform Comparision:

- >>GCP with AWS

- >>GCP with Azure

- >>Compare AWS and Azure services to Google cloud

>Google Pricing:

>>Pricing overview

>>Price list

>>Pricing calculator

>>Google cloud free program

>IAM Role and Access

Management:

>>Overview

>>Understanding roles

>>Understanding IAM custom roles

>>Service accounts

>>Workload identity federation

>>Understanding policies

>>Overview of IAM conditions

>>Tags and access control

>>Hands-On IAM access

>>Hands-On IAM troubleshoot access

>>Hands-On IAM policy analyser

>>Hands-On IAM roles

>>IAM recommendation

>>Hands-On IAM condition

>Cloud Billing:

- >>Cloud billing access control
- >>A custom role for billing
- >>Manage billing account
- >>View Billing reports
- >>Cost table
- >>Price list
- >>Cost breakdown
- >>Resource-based CUD
- >>Spend-based CUD
- >>Export to BigQuery
- >>Setting up billing data to BigQuery
- >>BigQuery example overview
- >>GCP data studio
- >>Set budget
- >>Automated cost example

>Google App Engine:

- >>Overview
- >>Choosing the right app engine environment
- >>App engine standard environment
- >>App engine price
- >>Hello world application using app engine
- >>Hands-On implementation part-1
- >>Hands-On implementation part-2

>>Hands-On implementation part-3

>>Hands-On implementation part-4

>>Hands-On implementation part-5

>>Hands-On implementation part-6

>>Hands-On implementation part-7

>>Hands-On implementation part-8

>>Hands-On implementation part-9

>>App engine locations

>Compute Engine:

>>Overview

>>About virtual machine instances

>>VM instances lifecycle

>>VM instances pricing

>>Creating VM instance

>>Creating VM instance-2

>>Connect to VM instance

>>Different machine families

>>Transfer files using VM/bucket

>>Transfer files using GCloud

>>Transfer files using WinSCP

>>Manage access in VM instances

>>Confidential VM's in compute engine

>>Using the compute engine API through client libraries

>>VM migration feature compute engine

>**BookShelf App:**

>>Overview

>>Create Firestore DB and enable API

>>Running application

>>Deploying app

>>Configuring bucket and giving public access-1

>>Configuring bucket and giving public access-2

>>Logging and error reporter

>>Code walkthrough-1

>>Code walkthrough-2

>>Clean up/ delete used resources

>**Storage:**

>>Overview

>>Cloud storage - Object storage/ Archival storage

>>Block storage - Persistent disks & local SSD

>>File storage

>>Storage transfer service

>>Firebase

>>Google workspace

>**Certifications:**

>>Overview of available certification

>>Cloud leader certification sample questions