



This is to certify that

**Meenu Singh**

successfully completed and received a passing grade in

## IBM Cloud Essentials V3

(CC0103EN, provided by IBMDeveloperSkillsNetwork)

A course on cognitiveclass.ai

Powered by IBM Developer Skills Network.

Issued by  
**Cognitive Class**

**Steve Martinelli**

Steve Martinelli

STSM, Developer Advocacy

IBM Cloud and Cognitive Software  
IBM

**Horea Porutiu**

Horea Porutiu

Advisory Software Engineer, Emerging Technology

IBM Cloud and Cognitive Software  
IBM

**March 19, 2022**

Authenticity of this certificate can be validated by going to:

<https://courses.cognitiveclass.ai/certificates/4b493e9c42a54d32b1a3af7be43f0e35>

Certificate ID Number: 4b493e9c42a54d32b1a3af7be43f0e35

March 19, 2022