



This is to certify that

**Pranav Singh**

successfully completed and received a passing grade in

**Blockchain Essentials**  
(BC0101EN, provided by developerWorks)

A course on **cognitiveclass.ai**  
Powered by IBM Developer Skills Network.

Issued by  
**Cognitive Class**

**February 6, 2021**

Authenticity of this certificate can be validated by going to:

<https://courses.cognitiveclass.ai/certificates/0f4ce8e51f6849b38100aef137ea2ab0>