



This is to certify that

Joravar 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

March 22, 2021

Authenticity of this certificate can be validated by going to:
<https://courses.cognitiveclass.ai/certificates/b4e37f14d99c4c4b9dfadf72e03d190b>