



This is to certify that

Akash Singh

successfully completed and received a passing grade in

Machine Learning with Python

(ML0101ENv3, provided by Cognitive Class)

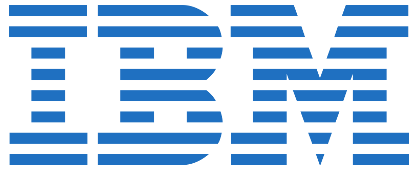
A course on skillsbuild.skillsnetwork.site
Powered by IBM Developer Skills Network.

Issued by
Skills Build Skills Network

April 30, 2021

Authenticity of this certificate can be validated by going to:

<https://courses.skillsbuild.skillsnetwork.site/certificates/0c00a478db7046e9b1792593b9273ac7>



This is to certify that

Akash Singh

successfully completed and received a passing grade in

Introduction to Data Science

(DS0101EN, provided by BigDataUniversity)

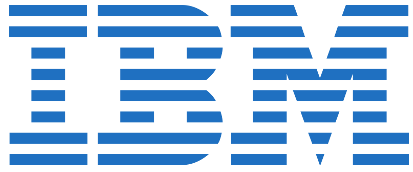
A course on skillsbuild.skillsnetwork.site
Powered by IBM Developer Skills Network.

Issued by
Skills Build Skills Network

April 30, 2021

Authenticity of this certificate can be validated by going to:

<https://courses.skillsbuild.skillsnetwork.site/certificates/8784b504861c416db0d76dfef3f52ff4>



This is to certify that

Akash Singh

successfully completed and received a passing grade in

How to Build Chatbots

(CB0103EN, provided by IBMDeveloperSkillsNetwork)

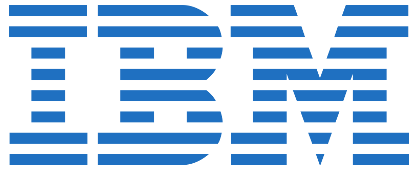
A course on skillsbuild.skillsnetwork.site
Powered by IBM Developer Skills Network.

Issued by
Skills Build Skills Network

April 28, 2021

Authenticity of this certificate can be validated by going to:

<https://courses.skillsbuild.skillsnetwork.site/certificates/2817ed44679c42dfb61127af79e4da5c>



This is to certify that

Akash Singh

successfully completed and received a passing grade in

Python 101 for Data Science

(PY0101EN, provided by CognitiveClass)

A course on skillsbuild.skillsnetwork.site
Powered by IBM Developer Skills Network.

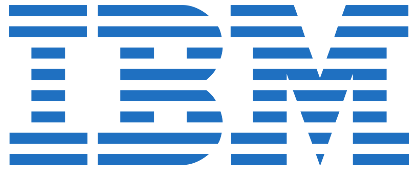
Issued by
Skills Build Skills Network

Cognitive Class

April 27, 2021

Authenticity of this certificate can be validated by going to:

<https://courses.skillsbuild.skillsnetwork.site/certificates/a3bd1e66427242cdbb37355bfcc49fba>



This is to certify that

Akash Singh

successfully completed and received a passing grade in

Data Visualization with Python

(DV0101EN, provided by CognitiveClass)

A course on skillsbuild.skillsnetwork.site
Powered by IBM Developer Skills Network.

Issued by
Skills Build Skills Network

April 27, 2021

Authenticity of this certificate can be validated by going to:

<https://courses.skillsbuild.skillsnetwork.site/certificates/c72b84db2c38435184db0a2ac5e5a9e7>



This is to certify that

Akash Singh

successfully completed and received a passing grade in

Big Data 101

(BD0101EN, provided by CognitiveClass)

A course on skillsbuild.skillsnetwork.site
Powered by IBM Developer Skills Network.

Issued by
Skills Build Skills Network

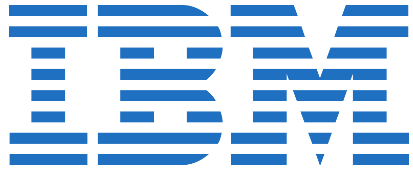
Raul F. Chong

Big Data University Leader
Big Data University

April 30, 2021

Authenticity of this certificate can be validated by going to:

<https://courses.skillsbuild.skillsnetwork.site/certificates/89a6729f0fc24fa28c6a1374fa92520f>



This is to certify that

Akash Singh

successfully completed and received a passing grade in

Hadoop 101

(BD0111EN, provided by BigDataUniversity)

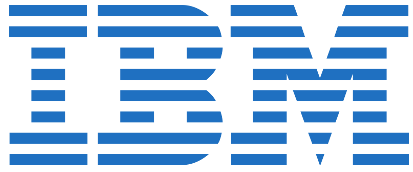
A course on skillsbuild.skillsnetwork.site
Powered by IBM Developer Skills Network.

Issued by
Skills Build Skills Network

April 30, 2021

Authenticity of this certificate can be validated by going to:

<https://courses.skillsbuild.skillsnetwork.site/certificates/228c187355ab4abb81a6f6f31dca842b>



This is to certify that

Akash Singh

successfully completed and received a passing grade in

Spark Fundamentals I
(BD0211EN, provided by BigDataUniversity)

A course on skillsbuild.skillsnetwork.site
Powered by IBM Developer Skills Network.

Issued by
Skills Build Skills Network

April 30, 2021

Authenticity of this certificate can be validated by going to:

<https://courses.skillsbuild.skillsnetwork.site/certificates/ef487e0285f94d39a755543705fe8d7b>



This is to certify that

Akash Singh

successfully completed and received a passing grade in

SQL and Relational Databases 101

(DB0101EN, provided by BDU)

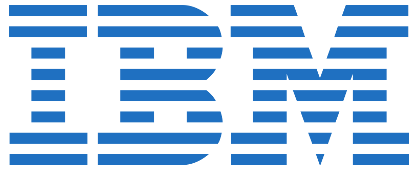
A course on skillsbuild.skillsnetwork.site
Powered by IBM Developer Skills Network.

Issued by
Skills Build Skills Network

May 15, 2021

Authenticity of this certificate can be validated by going to:

<https://courses.skillsbuild.skillsnetwork.site/certificates/07d17bfc92bc430d9a9b6985e8054b48>



This is to certify that

Akash Singh

successfully completed and received a passing grade in

Blockchain Essentials

(BC0101EN, provided by developerWorks)

A course on skillsbuild.skillsnetwork.site
Powered by IBM Developer Skills Network.

Issued by
Skills Build Skills Network

May 17, 2021

Authenticity of this certificate can be validated by going to:

<https://courses.skillsbuild.skillsnetwork.site/certificates/fe1c463c7e4a4219ab1322689dd44710>