



This is to certify that

**Akash Singh**

successfully completed and received a passing grade in

**Machine Learning with Python**

(ML0101ENv3, provided by Cognitive Class)

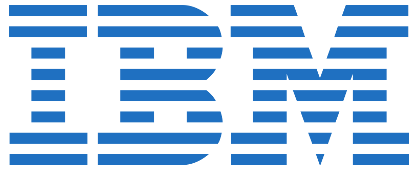
A course on [skillsbuild.skillsnetwork.site](https://skillsbuild.skillsnetwork.site)  
Powered by IBM Developer Skills Network.

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](https://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)

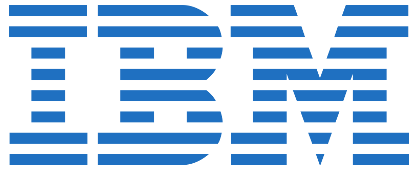
A course on [skillsbuild.skillsnetwork.site](https://skillsbuild.skillsnetwork.site)  
Powered by IBM Developer Skills Network.

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](https://skillsbuild.skillsnetwork.site)  
Powered by IBM Developer Skills Network.

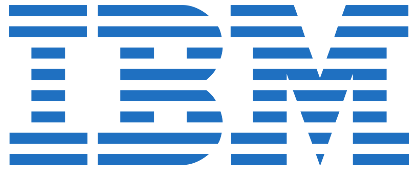
Issued by  
**Skills Build Skills Network**

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](https://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](https://skillsbuild.skillsnetwork.site)  
Powered by IBM Developer Skills Network.

Issued by  
**Skills Build Skills Network**

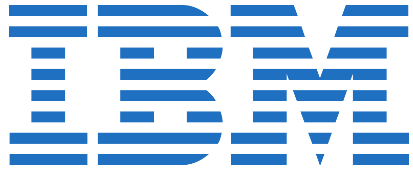
Raul F. Chong

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)

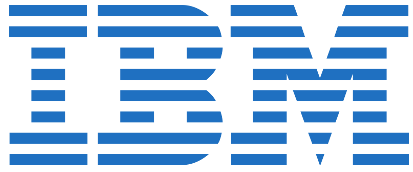
A course on [skillsbuild.skillsnetwork.site](https://skillsbuild.skillsnetwork.site)  
Powered by IBM Developer Skills Network.

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](https://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>