

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>



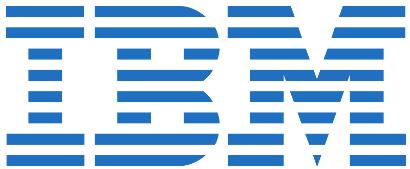
Machine Learning with Python

ISSUED TO

Akash Singh



Issued on: 27 APR 2021 | Issued by: IBM
Verify: <https://www.credly.com/go/6NfCU6kb>



This is to certify that

Akash Singh

successfully completed and received a passing grade in

Deep Learning with TensorFlow

(ML0120EN, provided by BigDataUniversity)

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:

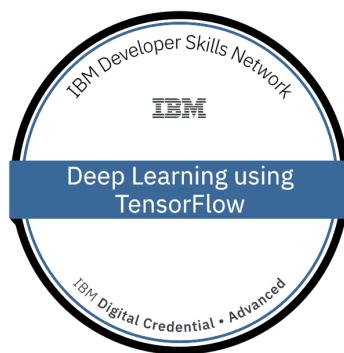
<https://courses.skillsbuild.skillsnetwork.site/certificates/adfd21cef09d4067a368ce9d04f5062e>



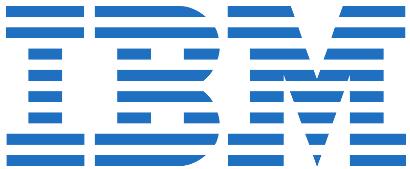
Deep Learning using TensorFlow

ISSUED TO

Akash Singh



Issued on: 17 MAY 2021 | Issued by: IBM
Verify: <https://www.credly.com/go/Mb1e9fr8>



This is to certify that

Akash Singh

successfully completed and received a passing grade in

Introduction to Data Science

(DS0101EN, provided by BigDataUniversity)

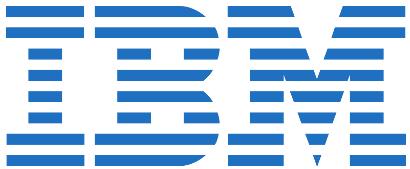
A course on skillsbuild.skillsnetwork.site
Powered by IBM Developer Skills Network.

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/8784b504861c416db0d76dfcb3f52ff4>



This is to certify that

Akash Singh

successfully completed and received a passing grade in

Data Science Methodology

(DS0103EN, provided by CognitiveClass)

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

Issued by
Skills Build Skills Network

May 23, 2021

Authenticity of this certificate can be validated by going to:

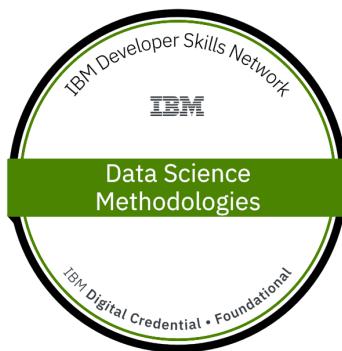
<https://courses.skillsbuild.skillsnetwork.site/certificates/b095acf40aa04b33b6414e11f0b0a44c>



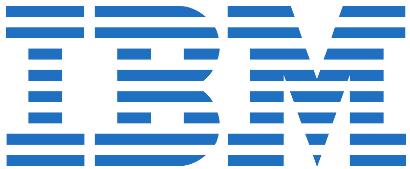
Data Science Methodologies

ISSUED TO

Akash Singh



Issued on: 23 MAY 2021 | Issued by: IBM
Verify: <https://www.credly.com/go/9Z0xBC8g>



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:

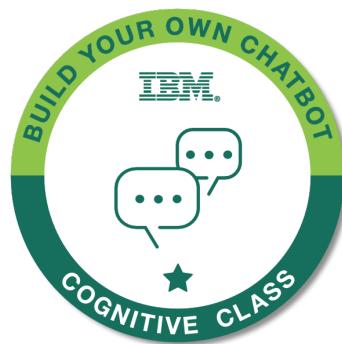
<https://courses.skillsbuild.skillsnetwork.site/certificates/2817ed44679c42dfb61127af79e4da5c>



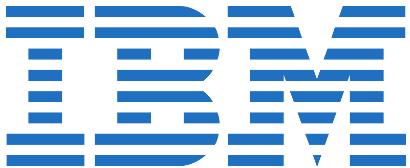
Build Your Own Chatbot - Level 1

ISSUED TO

Akash Singh



Issued on: 28 APR 2021 | Issued by: IBM
Verify: <https://www.credly.com/go/AFax1w5s>



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:

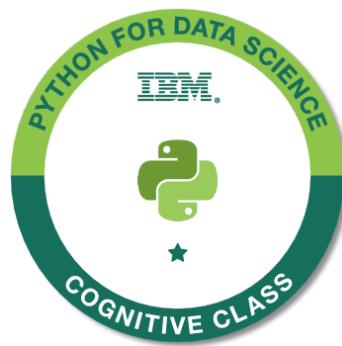
<https://courses.skillsbuild.skillsnetwork.site/certificates/a3bd1e66427242cddb37355bfcc49fba>



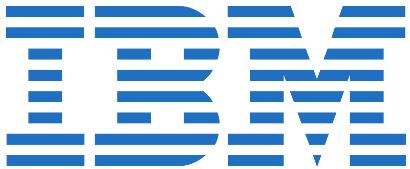
Python for Data Science

ISSUED TO

Akash Singh



Issued on: 27 APR 2021 | Issued by: IBM
Verify: <https://www.credly.com/go/QrNtSSom>



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:

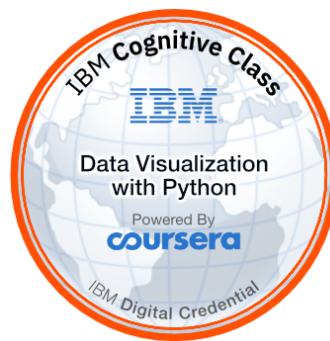
<https://courses.skillsbuild.skillsnetwork.site/certificates/c72b84db2c38435184db0a2ac5e5a9e7>



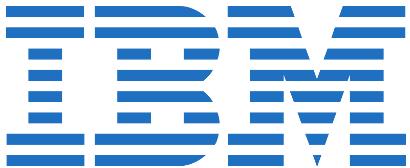
Data Visualization with Python

ISSUED TO

Akash Singh



Issued on: 27 APR 2021 | Issued by: IBM
Verify: <https://www.credly.com/go/KP8hezmg>



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

A handwritten signature in blue ink that appears to read "Raul F. Chong".

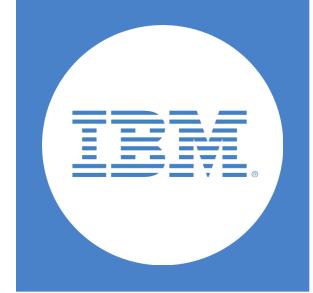
Raul F. Chong

Big Data University Leader
Big Data University

April 30, 2021

Authenticity of this certificate can be validated by going to:

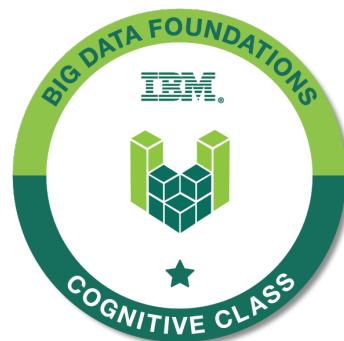
<https://courses.skillsbuild.skillsnetwork.site/certificates/89a6729f0fc24fa28c6a1374fa92520f>



Big Data Foundations - Level 1

ISSUED TO

Akash Singh



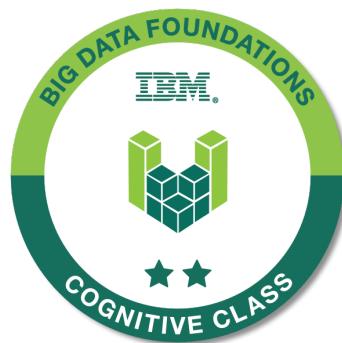
Issued on: 30 APR 2021 | Issued by: IBM
Verify: <https://www.credly.com/go/PYHqMuTN>



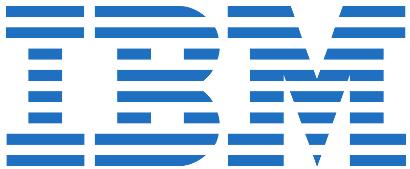
Big Data Foundations - Level 2

ISSUED TO

Akash Singh



Issued on: 30 APR 2021 | Issued by: IBM
Verify: <https://www.credly.com/go/IXSWQy5d>



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:

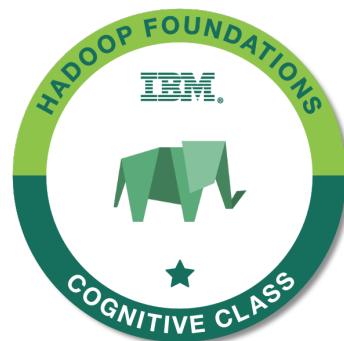
<https://courses.skillsbuild.skillsnetwork.site/certificates/228c187355ab4abb81a6f6f31dca842b>



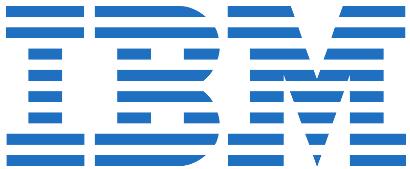
Hadoop Foundations - Level 1

ISSUED TO

Akash Singh



Issued on: 30 APR 2021 | Issued by: IBM
Verify: <https://www.credly.com/go/BbkHXO3r>



This is to certify that

Akash Singh

successfully completed and received a passing grade in

Spark Fundamentals I

(BDO211EN, 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:

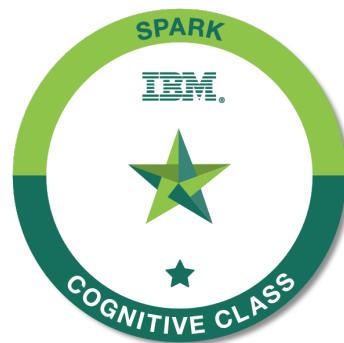
<https://courses.skillsbuild.skillsnetwork.site/certificates/ef487e0285f94d39a755543705fe8d7b>



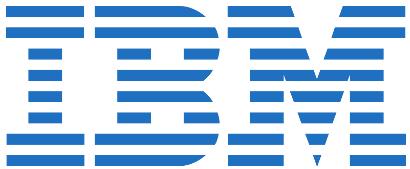
Spark - Level 1

ISSUED TO

Akash Singh



Issued on: 30 APR 2021 | Issued by: IBM
Verify: <https://www.credly.com/go/97jb9TEI>



This is to certify that

Akash Singh

successfully completed and received a passing grade in

SQL and Relational Databases 101

(DB0101EN, provided by BDU)

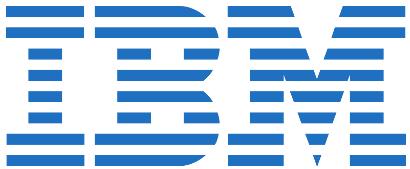
A course on skillsbuild.skillsnetwork.site
Powered by IBM Developer Skills Network.

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>



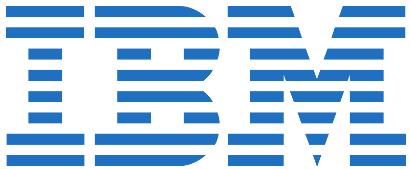
IBM Blockchain Essentials V2

ISSUED TO

Akash Singh



Issued on: 17 MAY 2021 | Issued by: IBM
Verify: <https://www.credly.com/go/jNj1N7Xi>



This is to certify that

Akash Singh

successfully completed and received a passing grade in

Introduction to Cloud

(CC0101EN, provided by IBMDeveloperSkillsNetwork)

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

Issued by
Skills Build Skills Network

May 23, 2021

Authenticity of this certificate can be validated by going to:

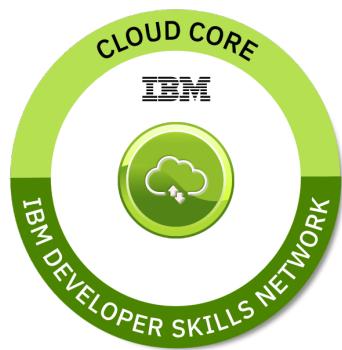
<https://courses.skillsbuild.skillsnetwork.site/certificates/cd08ba8ea1624b0a8eb67c269fb93f6b>



Cloud Core

ISSUED TO

Akash Singh



Issued on: 23 MAY 2021 | Issued by: IBM
Verify: <https://www.credly.com/go/CXDGPpOk>