



Oct 25, 2022

AHMED ABDELDJALLIL DJELLAB

has successfully completed

Convolutional Neural Networks

an online non-credit course authorized by DeepLearning.AI and offered through Coursera

A handwritten signature in blue ink that reads 'Andrew Ng'.

Andrew Ng, Founder, DeepLearning.AI & Co-founder, Coursera
Kian Katanforoosh, Co-founder, Workera
Younes Bensouda Mourri, Instructor of AI, Stanford University

**COURSE
CERTIFICATE**



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<https://coursera.org/verify/5LMQ5BZJ5ER>

Coursera has confirmed the identity of this individual and their participation in the course.

Jun 22, 2022

AHMED ABDELDJALLIL DJELLAB

has successfully completed

**Supervised Machine Learning: Regression and
Classification**

an online non-credit course authorized by DeepLearning.AI, Stanford University and
offered through Coursera



Andrew Ng, Instructor, DeepLearning.AI
Eddy Shyu, Curriculum Architect, DeepLearning.AI
Aarti Bagul and Geoff Ladwig, Curriculum Engineers, DeepLearning.AI



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Coursera has confirmed the identity of this individual and their
participation in the course.

Jul 3, 2022

AHMED ABDELJALLIL DJELLAB

has successfully completed

Advanced Learning Algorithms

an online non-credit course authorized by DeepLearning.AI, Stanford University and offered through Coursera



A handwritten signature in blue ink that reads "Andrew Ng".

Andrew Ng, Instructor, DeepLearning.AI
Eddy Shyu, Curriculum Architect, DeepLearning.AI
Aarti Bagul and Geoff Ladwig, Curriculum Engineers, DeepLearning.AI

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Stanford | ONLINE

Aug 12, 2022

AHMED ABDELDJALLIL DJELLAB

has successfully completed

**Unsupervised Learning, Recommenders,
Reinforcement Learning**

an online non-credit course authorized by DeepLearning.AI and Stanford University and
offered through Coursera

Andrew Ng, Instructor, DeepLearning.AI
Eddy Shyu, Curriculum Architect, DeepLearning.AI
Aarti Bagul and Geoff Ladwig, Curriculum Engineers, DeepLearning.AI

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participation in the course.



May 24, 2021

AHMED ABDELDJALLIL DJELLAB

has successfully completed

Data Science Methodology

an online non-credit course authorized by IBM and offered through Coursera

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Alex Akson, Ph.D.
Data Scientist

Polong Lin
Data Scientist, IBM

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coursera.org/verify/7XSFAELTYBHG

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Oct 12, 2021

AHMED ABDELDJALLIL DJELLAB

has successfully completed

Databases and SQL for Data Science with Python

an online non-credit course authorized by IBM and offered through Coursera

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Rav Ahuja
Global Program Director,
Skills Network

Hima Vasudevan
IBM

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Jun 1, 2021

AHMED ABDELDJALLIL DJELLAB

has successfully completed

Python for Data Science, AI & Development

an online non-credit course authorized by IBM and offered through Coursera

Joseph Santarcangelo
Senior Data Scientist
IBM

**COURSE
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coursera.org/verify/6U3GFN2838FL

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Jun 17, 2021

AHMED ABDELDJALLIL DJELLAB

has successfully completed

Python Project for Data Science

an online non-credit course authorized by IBM and offered through Coursera

Azim Hirjani

Azim Hirjani
Cognitive Data Scientist

Joseph Santarcangelo
Senior Data Scientist
IBM

**COURSE
CERTIFICATE**



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coursera.org/verify/FJJN94Q2ZC49

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JOHNS HOPKINS
UNIVERSITY

Nov 29, 2021

AHMED ABDELDJALLIL DJELLAB

has successfully completed

R Programming

an online non-credit course authorized by Johns Hopkins University and offered through
Coursera

Jeff Leek, PhD; Roger Peng, PhD; Brian Caffo, PhD
Department of Biostatistics
Johns Hopkins Bloomberg School of Public Health

COURSE
CERTIFICATE



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JOHNS HOPKINS
UNIVERSITY

Nov 23, 2021

AHMED ABDELDJALLIL DJELLAB

has successfully completed

The Data Scientist's Toolbox

an online non-credit course authorized by Johns Hopkins University and offered through
Coursera

Jeff Leek, PhD; Roger Peng, PhD; Brian Caffo, PhD
Department of Biostatistics
Johns Hopkins Bloomberg School of Public Health

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May 19, 2021

AHMED ABDELDJALLIL DJELLAB

has successfully completed

Tools for Data Science

an online non-credit course authorized by IBM and offered through Coursera

Maureen McElaney
Romeo Kienzler
Svetlana Levitan

**COURSE
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May 6, 2021

AHMED ABDELDJALLIL DJELLAB

has successfully completed

What is Data Science?

an online non-credit course authorized by IBM and offered through Coursera

COURSE
CERTIFICATE



Rav Ahuja
Global Program Director,
Skills Network

Alex Akson, Ph.D.
Data Scientist

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Coursera has confirmed the identity of this individual and their participation in the course.