

# Stanford | ONLINE

02/12/2017

Abdulhadi Darwish

has successfully completed

Machine Learning

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



Associate Professor Andrew Ng  
Computer Science Department  
Stanford University

SOME ONLINE COURSES MAY DRAW ON MATERIAL FROM COURSES TAUGHT ON-CAMPUS BUT THEY ARE NOT EQUIVALENT TO ON-CAMPUS COURSES. THIS STATEMENT DOES NOT AFFIRM THAT THIS PARTICIPANT WAS ENROLLED AS A STUDENT AT STANFORD UNIVERSITY IN ANY WAY. IT DOES NOT CONFER A STANFORD UNIVERSITY GRADE, COURSE CREDIT OR DEGREE, AND IT DOES NOT VERIFY THE IDENTITY OF THE PARTICIPANT.

COURSE  
CERTIFICATE



Verify at [coursera.org/verify/9HCDQQLTYCSP](https://coursera.org/verify/9HCDQQLTYCSP)

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



10/27/2016

Abdulhadi Darwish

has successfully completed

Machine Learning Foundations: A Case Study  
Approach

a MOOC from the University of Washington and offered through Coursera

A handwritten signature in black ink, appearing to read 'Carlos Guestrin'.

Carlos Guestrin  
Amazon Professor of Machine Learning  
Computer Science and Engineering

A handwritten signature in black ink, appearing to read 'Emily Fox'.

Emily Fox  
Amazon Professor of Machine Learning  
Statistics

COURSE  
CERTIFICATE



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their participation in the course.



01/30/2018

# Abdulhadi Darwish

has successfully completed

## Introduction to Data Science in Python

an online non-credit course authorized by University of Michigan and offered through Coursera

A handwritten signature in black ink, appearing to read 'Christopher Brooks'.

Christopher Brooks  
Research Assistant Professor  
School of Information

### COURSE CERTIFICATE



Verify at [coursera.org/verify/V7XU5PH3FA5Z](https://coursera.org/verify/V7XU5PH3FA5Z)

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



01/25/2020

Abdulahdi Darwish

has successfully completed

What is Data Science?

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

A handwritten signature in black ink, appearing to read 'Alex Akson', written over a horizontal dotted line.

Alex Akson, Ph.D.  
Data Scientist

A handwritten signature in black ink, appearing to read 'Polong Lin', written over a horizontal dotted line.

Polong Lin  
Data Scientist, IBM

COURSE  
CERTIFICATE



Verify at [coursera.org/verify/2YU3LLDCL7ZG](https://coursera.org/verify/2YU3LLDCL7ZG)

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





02/22/2018

# Abdulhadi Darwish

has successfully completed

## Applied Text Mining in Python

an online non-credit course authorized by University of Michigan and offered through Coursera

A handwritten signature in black ink, reading 'V. G. Vinod Vydiswaran'.

V. G. Vinod Vydiswaran  
Assistant Professor  
School of Information

### COURSE CERTIFICATE



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



01/24/2020

# Abdulhadi Darwish

has successfully completed

## Applied Social Network Analysis in Python

an online non-credit course authorized by University of Michigan and offered through Coursera

A handwritten signature in black ink, appearing to read 'Daniel Romero'.

Daniel Romero, Ph.D.  
Assistant Professor  
School of Information  
University of Michigan

### COURSE CERTIFICATE



Verify at [coursera.org/verify/KGYSP3J8WMQ4](https://coursera.org/verify/KGYSP3J8WMQ4)

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



10/19/2019

Abdulhadi Darwish

has successfully completed

Text Mining and Analytics

an online non-credit course authorized by University of Illinois at Urbana-Champaign  
and offered through Coursera

A handwritten signature in black ink, appearing to read 'ChengXiang Zhai'.

ChengXiang Zhai  
Professor and Willett Faculty Scholar  
Department of Computer Science

COURSE  
CERTIFICATE



Verify at [coursera.org/verify/TN9YDE3LV5BA](https://coursera.org/verify/TN9YDE3LV5BA)  
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their participation in the course.



12/30/2018

Abdulhadi Darwish

has successfully completed

Text Retrieval and Search Engines

an online non-credit course authorized by University of Illinois at Urbana-Champaign  
and offered through Coursera

A handwritten signature in black ink, appearing to read 'ChengXiang Zhai'.

ChengXiang Zhai  
Professor and Willett Faculty Scholar  
Department of Computer Science

COURSE  
CERTIFICATE



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their participation in the course.





12/05/2017

**Abdulhadi Darwish**

has successfully completed

**Neural Networks and Deep Learning**

an online non-credit course authorized by deeplearning.ai and offered through  
Coursera

A handwritten signature in blue ink, reading "Andrew Ng".

Adjunct Professor Andrew Ng  
Computer Science

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/G3HZ2V5DKJJ5](https://coursera.org/verify/G3HZ2V5DKJJ5)

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



01/26/2018

**Abdulhadi Darwish**

has successfully completed

**Structuring Machine Learning Projects**

an online non-credit course authorized by deeplearning.ai and offered through  
Coursera

A handwritten signature in blue ink, reading "Andrew Ng".

Adjunct Professor Andrew Ng  
Computer Science

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/TYSRQBUBJB7E](https://coursera.org/verify/TYSRQBUBJB7E)

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their participation in the course.



05/19/2018

**Abdulahadi Darwish**

has successfully completed

**Improving Deep Neural Networks:  
Hyperparameter tuning, Regularization and  
Optimization**

an online non-credit course authorized by deeplearning.ai and offered through  
Coursera

A handwritten signature in blue ink, reading "Andrew Ng".

Adjunct Professor Andrew Ng  
Computer Science

**COURSE  
CERTIFICATE**



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their participation in the course.



01/25/2020

**Abdulahadi Darwish**

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, reading "Andrew Ng".

Adjunct Professor Andrew Ng  
Computer Science

**COURSE  
CERTIFICATE**



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their participation in the course.





01/26/2020

**Abdulahadi Darwish**

has successfully completed

**Sequence Models**

an online non-credit course authorized by deeplearning.ai and offered through  
Coursera

A handwritten signature in blue ink, reading "Andrew Ng".

Adjunct Professor Andrew Ng  
Computer Science

**COURSE  
CERTIFICATE**



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



12/18/2018

Abdulhadi Darwish

has successfully completed

Data Visualization

an online non-credit course authorized by University of Illinois at Urbana-Champaign  
and offered through Coursera

A handwritten signature in black ink, appearing to read 'John C. Hart', written over a horizontal dotted line.

John C. Hart  
Professor  
Department of Computer Science

COURSE  
CERTIFICATE



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their participation in the course.



UNIVERSITY OF MINNESOTA  
**Driven to Discover<sup>SM</sup>**

06/14/2018

**Abdulhadi Darwish**

has successfully completed

**Introduction to Recommender Systems: Non-  
Personalized and Content-Based**

an online non-credit course authorized by University of Minnesota and offered through  
Coursera

Joseph A. Konstan  
Distinguished McKnight Professor  
Distinguished University Teaching Professor  
Department of Computer Science and Engineering  
University of Minnesota

Assistant Professor, Boise State University  
Guest Instructor, University of Minnesota

**COURSE  
CERTIFICATE**



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