Professional
Certificate

This is to certify that

Sergii Kavun

successfully completed all courses and
received passing grades for a Professional
Certificate in

IBM Deep Learning

a program offered by IBM, in collaboration with
edX.

Rav Ahuja
Chief Program Manager
Skills Network, IBM
IBM

PROFESSIONAL CERTIFICATE
Issued May 2021

VALID CERTIFICATE ID
be8050e045484db19c134babda35189e

Professional
Certificate

This is to certify that

Sergii Kavun

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received passing grades for a Professional
Certificate in

Deep Learning

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Rav Ahuja
Chief Program Manager
Skills Network, IBM
IBM

PROFESSIONAL CERTIFICATE
Issued May 2021

VALID CERTIFICATE ID
8f5d702e3e004f0498dc55b4e8201998

5 Courses

- Neural Networks and Deep Learning
- Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization
- Structuring Machine Learning Projects
- Convolutional Neural Networks
- Sequence Models

07/03/2020

Sergii V. Kavun

has successfully completed the online, non-credit Specialization

Adjunct Professor
Andrew Ng
Computer Science

Deep Learning

The Deep Learning Specialization is designed to prepare learners to participate in the development of cutting-edge AI technology, and to understand the capability, the challenges, and the consequences of the rise of deep learning. Through five interconnected courses, learners develop a profound knowledge of the hottest AI algorithms, mastering deep learning from its foundations (neural networks) to its industry applications (Computer Vision, Natural Language Processing, Speech Recognition, etc.).

Verify this certificate at:
coursera.org/verify/specialization/KL6QMUN8UCHZ

4 Courses

- Fundamentals of Scalable Data Science
- Advanced Machine Learning and Signal Processing
- Applied AI with DeepLearning
- Advanced Data Science Capstone

06/06/2020

Sergii V. Kavun

has successfully completed the online, non-credit Specialization

Advanced Data Science with IBM

As a coursera certified specialization completer you will have a proven deep understanding on massive parallel data processing, data exploration and visualization, and advanced machine learning & deep learning. You'll understand the mathematical foundations behind all machine learning & deep learning algorithms. You can apply knowledge in practical use cases, justify architectural decisions, understand the characteristics of different algorithms, frameworks & technologies & how they impact model performance & scalability.

Tom Hanlon
Training Director
Skymind

Ilja Rasin
Data Scientist
IBM Watson Health

Romeo Kienzler
Chief Data Scientist
IBM Watson IoT

Max Pumperla
Deep Learning Engineer

Niketan Pansare
Senior Software Engineer
IBM Research

Nikolay Manchev
Senior Data Scientist
IBM EMEA Data Science (2015-2019)

Verify this certificate at:
coursera.org/verify/specialization/87ANA7LJP44W

JOHNS HOPKINS UNIVERSITY

5 Courses

- The Data Scientist's Toolbox
- R Programming
- Getting and Cleaning Data
- Exploratory Data Analysis
- Reproducible Research

04/30/2020

Sergii V. Kavun

has successfully completed the online, non-credit Specialization

Data Science: Foundations using R

The Data Science Specialization covers foundational concepts and tools for the data science pipeline. Successful participants learn how to use the tools of the trade, think analytically about complex problems, manage large data sets, create visualizations, and publish reproducible analyses. This certificate does not confer academic credit toward a degree or official status at the Johns Hopkins University.

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

Verify this certificate at:
coursera.org/verify/specialization/45BU2YSQKS78

4 Courses

- Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning
- Convolutional Neural Networks in TensorFlow
- Natural Language Processing in TensorFlow
- Sequences, Time Series and Prediction

07/19/2020

Sergii V. Kavun

has successfully completed the online, non-credit Specialization

TensorFlow in Practice

In this specialization, you got a grounding in what you need to get started with TensorFlow: In Practice. The goal was to help you take the next steps, such as going deeper into understanding Machine Learning and the practice of understanding loss functions, optimizers and more, or perhaps you want to know more about neural networks and the different types of layers, from convolutions to recurrent or LSTM. Now that you have used some of them and seen the impact of different layer types in practice, you can go forward equipped to go deeper!

Laurence Moroney is an AI Advocate at Google Research

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coursera.org/verify/specialization/U3WXDPAMZA4F

Курсы по дисциплине "4"

Browser-based Models with TensorFlow.js

Device-based Models with TensorFlow Lite

Data Pipelines with TensorFlow Data Services

Advanced Deployment Scenarios with TensorFlow

15.11.2020

Sergii V. Kavun

Учащийся успешно прошел онлайн-специализацию без права на зачетные единицы

Laurence Moroney
Lead AI Advocate
Google

TensorFlow: Data and Deployment

In this specialization, you continued to develop your understanding of machine learning with TensorFlow: Data and Deployment. You have gone beyond basic modeling and learned how to train and run your models within a browser, optimize machine learning models for mobile devices, and create effective data pipelines with TensorFlow Data Services. Now that you've learned the various ways to deploy your models, you're well-prepared to take your models into the hands of real people on all kinds of devices!

Подтвердить сертификат:
coursera.org/verify/specialization/A7ECHWA9J8GE

06/06/2020

Sergii V. Kavun

has successfully completed

Advanced Data Science Capstone

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

Romeo Kienzler
Chief Data Scientist
IBM Watson IoT

COURSE CERTIFICATE

Verify at coursera.org/verify/GAUSZ3MCQQGB

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

05/26/2020

Sergii V. Kavun

has successfully completed

Advanced Machine Learning and Signal Processing

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

COURSE CERTIFICATE

Romeo Kienzler
Chief Data Scientist
IBM Watson IoT

Nikolay Manchev
Senior Data Scientist
IBM EMEA Data Science (2015-2019)

Verify at coursera.org/verify/5VMXA2VD52YJ

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

05/30/2020

Sergii V. Kavun

has successfully completed

Applied AI with DeepLearning

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

Romeo Kienzler, Niketan Pansare, Max Pumperla

COURSE CERTIFICATE

Verify at coursera.org/verify/RXRCE5Q8GVCZ

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

05/21/2020

Sergii V. Kavun

has successfully completed

Fundamentals of Scalable Data Science

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

Romeo Kienzler
Chief Data Scientist
IBM Watson IoT

COURSE CERTIFICATE

Verify at coursera.org/verify/YHMQ7WJZ68HE

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

deeplearning.ai

COURSE CERTIFICATE

07/10/2020

Sergii V. Kavun

has successfully completed

Convolutional Neural Networks in TensorFlow

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

Laurence Moroney
Staff AI Advocate
Google Brain

Verify at coursera.org/verify/9SAP2UQ489RQ

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

deeplearning.ai

COURSE CERTIFICATE

06/28/2020

Sergii V. Kavun

has successfully completed

Convolutional Neural Networks

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

Adjunct Professor Andrew Ng
Computer Science

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

deeplearning.ai

COURSE CERTIFICATE

07/15/2020

Sergii V. Kavun

has successfully completed

Natural Language Processing in TensorFlow

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

Laurence Moroney

Laurence Moroney
Staff AI Advocate
Google Brain

Verify at coursera.org/verify/5WEKTYLSXDNV

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deeplearning.ai

COURSE CERTIFICATE

07/03/2020

Sergii V. Kavun

has successfully completed

Sequence Models

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

Adjunct Professor Andrew Ng
Computer Science

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deeplearning.ai

COURSE CERTIFICATE

07/19/2020

Sergii V. Kavun

has successfully completed

Sequences, Time Series and Prediction

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

Laurence Moroney

Laurence Moroney
Staff AI Advocate
Google Brain

Verify at coursera.org/verify/EC7LMR2M758J

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deeplearning.ai

COURSE CERTIFICATE

06/21/2020

Sergii V. Kavun

has successfully completed

Structuring Machine Learning Projects

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

Adjunct Professor Andrew Ng
Computer Science

Verify at coursera.org/verify/Q2E5YLRN9MEH

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

deeplearning.ai

COURSE CERTIFICATE

06/19/2020

Sergii V. Kavun

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

Adjunct Professor Andrew Ng
Computer Science

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coursera

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deeplearning.ai

COURSE CERTIFICATE

07/07/2020

Sergii V. Kavun

has successfully completed

Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning

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

Laurence Moroney

Laurence Moroney
Staff AI Advocate
Google Brain

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coursera

Verify at coursera.org/verify/JHBN2MTJTSVF

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deeplearning.ai

COURSE CERTIFICATE

06/16/2020

Sergii V. Kavun

has successfully completed

Neural Networks and Deep Learning

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

Adjunct Professor Andrew Ng
Computer Science

Verify at coursera.org/verify/8HH7MPQ6JE64

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

deeplearning.ai

COURSE CERTIFICATE

08/16/2020

Sergii V. Kavun

has successfully completed

Browser-based Models with TensorFlow.js

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

Laurence Moroney

Laurence Moroney
Staff AI Advocate
Google Brain

Verify at coursera.org/verify/9GT2PT7BXGT3

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

deeplearning.ai

COURSE CERTIFICATE

Oct 18, 2020

Sergii V. Kavun

has successfully completed

Data Pipelines with TensorFlow Data Services

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

Laurence Moroney
Staff AI Advocate
Google Brain

Verify at coursera.org/verify/UWUWCDCNQDJM

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

deeplearning.ai

COURSE CERTIFICATE

11.10.2020

Sergii V. Kavun

Учащийся успешно прошел(а) курс

Device-based Models with TensorFlow Lite

онлайн-курс без права на зачетные единицы от университета DeepLearning.AI, предлагаемый на Coursera

Laurence Moroney
Staff AI Advocate
Google Brain

Подтвердить: coursera.org/verify/TSMZXLFJ2FZZ

Coursera подтвердила личность этого человека и его участие в курсе.

deeplearning.ai

COURSE CERTIFICATE

Nov 15, 2020

Sergii V. Kavun

has successfully completed

Advanced Deployment Scenarios with TensorFlow

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

Laurence Moroney
Lead AI Advocate
Google

Verify at coursera.org/verify/GACZLPM9DRHM

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

JOHNS HOPKINS UNIVERSITY

COURSE CERTIFICATE

04/23/2020

Sergii V. Kavun

has successfully completed

Exploratory Data Analysis

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

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

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JOHNS HOPKINS UNIVERSITY

COURSE CERTIFICATE

04/16/2020

Sergii V. Kavun

has successfully completed

Getting and Cleaning Data

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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JOHNS HOPKINS
UNIVERSITY

COURSE CERTIFICATE

04/10/2020

Sergii V. Kavun

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

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COURSE CERTIFICATE

04/30/2020

Sergii V. Kavun

has successfully completed

Reproducible Research

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

Verify at coursera.org/verify/FLEMYMQ2WJMR

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JOHNS HOPKINS UNIVERSITY

COURSE CERTIFICATE

03/30/2020

Sergii V. Kavun

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

Verify at coursera.org/verify/UMGEVJ7QMQGS

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STATEMENT OF ACCOMPLISHMENT

#14051376

HAS BEEN AWARDED TO

Sergii Kavun

FOR SUCCESSFULLY COMPLETING

Machine Learning in the Tidyverse

COMPLETED ON

May 18, 2020

DataCamp

STATEMENT OF ACCOMPLISHMENT

#13921613

HAS BEEN AWARDED TO

Sergii Kavun

FOR SUCCESSFULLY COMPLETING

Supervised Learning in R: Classification

COMPLETED ON

May 15, 2020

DataCamp

STATEMENT OF ACCOMPLISHMENT

#13983699

HAS BEEN AWARDED TO

Sergii Kavun

FOR SUCCESSFULLY COMPLETING

Supervised Learning in R: Regression

COMPLETED ON

May 17, 2020

DataCamp

STATEMENT OF ACCOMPLISHMENT

#14044250

HAS BEEN AWARDED TO

Sergii Kavun

FOR SUCCESSFULLY COMPLETING

Unsupervised Learning in R

COMPLETED ON

May 17, 2020

DataCamp

Duke
UNIVERSITY

COURSE
CERTIFICATE

08/17/2020

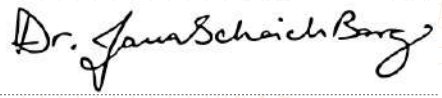
Sergii V. Kavun

has successfully completed

Data Visualization and Communication with Tableau

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

Daniel Egger
Executive in Residence and Director,
Center for Quantitative Modeling
Pratt School of Engineering



Jana Schaich Borg
Assistant Research Professor
Social Science Research Institute

Verify at coursera.org/verify/XGEFSYYBPWAF

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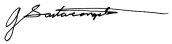
Verified
Certificate



Joseph Santarcangelo
Data Scientist
IBM Developer Skills Network

This is to certify that

Sergii Kavun

successfully completed and received a passing grade in

DL0320EN: Applied Deep Learning Capstone Project

a course of study offered by IBM, an online learning initiative of IBM.

Verified Certificate
Issued May 20, 2021

Valid Certificate ID
44cf66fb41e1447cb3c3629af1afc7ba

Verified Certificate

This is to certify that

Sergii Kavun

successfully completed and received a passing grade in

DL0122EN: Using GPUs to Scale and Speed-up Deep Learning

a course of study offered by IBM, an online learning initiative of IBM.

Verified Certificate
Issued April 30, 2021

Valid Certificate ID
be76b69505b34bfa909f6b154e63ebf5

IBM

Saeed A.

Saeed Aghabozorgi
PhD, Sr. Data Scientist
IBM

Verified
Certificate

This is to certify that

Sergii Kavun

successfully completed and received a passing grade in

DL0120EN: Deep Learning with Tensorflow

a course of study offered by IBM, an online learning initiative of IBM.

Verified Certificate
Issued April 30, 2021

Valid Certificate ID
0d78a5a9e540456fb70a372850f00113

IBM

Saeed Aghabozorgi, PhD
Senior Data Scientist
IBM

Romeo Kienzler
Chief Data Scientist, Course Lead
IBM

Verified Certificate

This is to certify that

Sergii Kavun

successfully completed and received a passing grade in

DL0110EN: Deep Learning with Python and PyTorch

a course of study offered by IBM, an online learning initiative of IBM.

Joseph Santarcangelo
PhD., Data Scientist
IBM

Verified Certificate
Issued April 30, 2021

Valid Certificate ID
7e7a0bae5ecf43b1ab178022ef537219

Verified
Certificate

This is to certify that

Sergii Kavun

successfully completed and received a passing grade in

DL0101EN: Deep Learning Fundamentals with Keras

a course of study offered by IBM, an online learning initiative of IBM.

Alex Aklson, Ph.D.
Data Scientist
IBM Developer Skills Network

Verified Certificate
Issued April 30, 2021

Valid Certificate ID
5d3c7ef5d53a47ccb2e6d0f63fb415db

Verified Certificate

This is to certify that

Sergii Kavun

successfully completed and received a passing grade in

ML0210EN: PyTorch Basics for Machine Learning

a course of study offered by IBM, an online learning initiative of IBM.

Joseph Santarcangelo
PhD., Data Scientist
IBM

Verified Certificate
Issued April 30, 2021

Valid Certificate ID
c623a9196cff42709c981aeabf9ec527

Open badge for the Inria "Machine learning in Python with scikit-learn" course

Badge délivré à

Sergii Kavun

Predictive modeling is a pillar of modern data science. In this field, scikit-learn is a central tool: it is easily accessible, yet powerful, and naturally dovetails in the wider ecosystem of data-science tools based on the Python programming language. This course is an in-depth introduction to predictive modeling with scikit-learn. Step-by-step and didactic lessons introduce the fundamental methodological and software tools of machine learning, and is as such a stepping stone to more advanced challenges in artificial intelligence, text mining, or data science. The course is more than a cookbook: it teaches the participants to be critical about each step of the design of a predictive modeling pipeline: from choices in data preprocessing, to choosing models, gaining insights on their failure modes and interpreting their predictions. The training is essentially practical, focusing on examples of applications with code executed by the participants. The authors of the course are : - Arturo Amor - Inria, scikit-learn engineer - Loïc Estève - Inria, scikit-learn core developer - Olivier Grisel - Inria, scikit-learn core developer - Guillaume Lemaître - Inria, scikit-learn core developer -

Gaël Varoquaux - Inria, scikit-learn project manager The duration of the course is approximately 36 hours.

#Inria #MachineLearning #Python #scikit-learn

Délivré le 2023-01-19

Émetteur

France Université Numérique
contact@fun-mooc.fr
https://www.france-universite-numerique.fr/

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Critère

Open Badge obtention criteria :

Students' work in the course is assessed through quizzes following the lessons and programming exercises at the end of each module. An Open Badge is issued to the participants who obtained a final total score of at least 60% before the deadline.