

Collaboration with Industry and Community Workshop

March 2, 2022

**Academia-Industry Collaboration to Up-skill and Re-skill in AI :
Bringing AI Education to the Classroom with NVIDIA**

By: Dr. Manal Jalloul

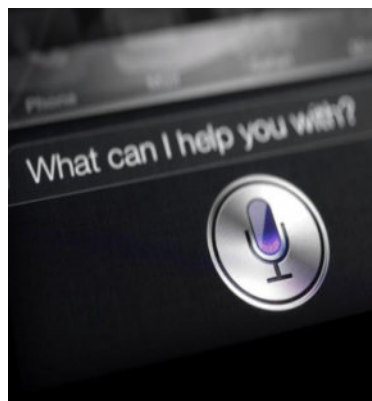
NVIDIA Deep Learning Institute, Certified Instructor and University Ambassador
Founder and CEO, AI Lab



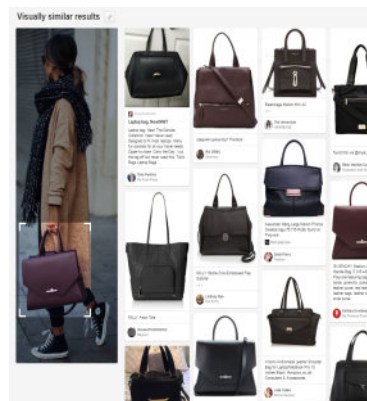
AI is Transforming Many Industries..

Impact of AI in all Industries

Speech Recognition



Recommender Systems



Autonomous Driving



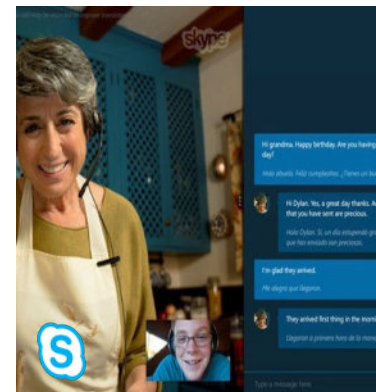
Real-time Object Recognition



Robotics

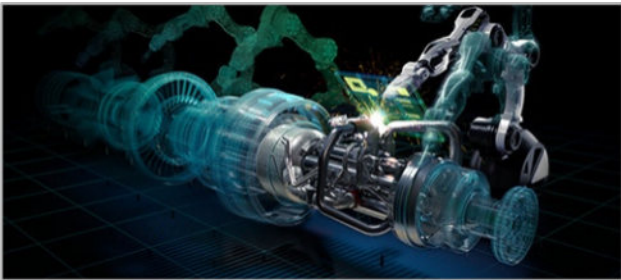


Real-time Language Translation



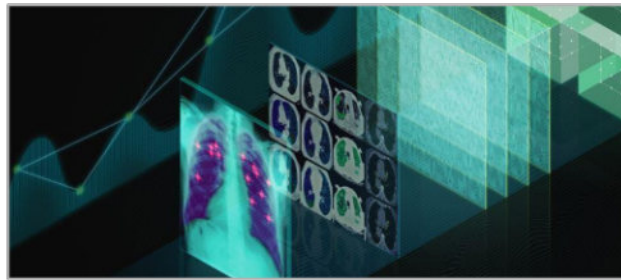
Many More...

Deep Learning is Changing the World!



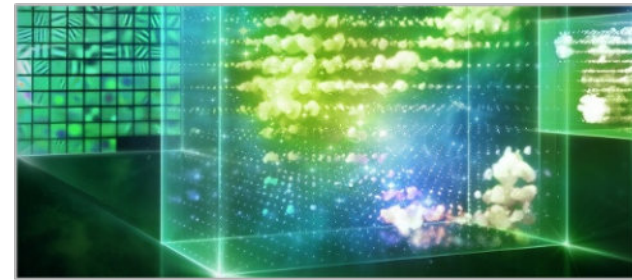
Robotics

Manufacturing, construction, navigation



Healthcare

Cancer detection, drug discovery, genomics



Internet Services

Image classification, speech recognition, NLP



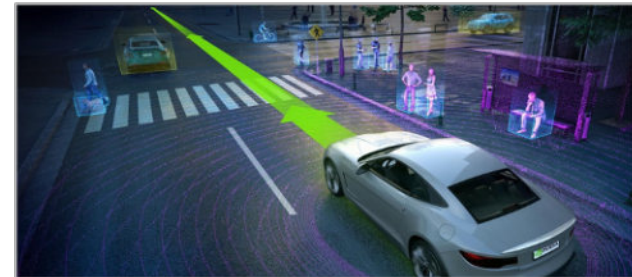
Finance

Trading strategy, fraud detection



Media & Entertainment

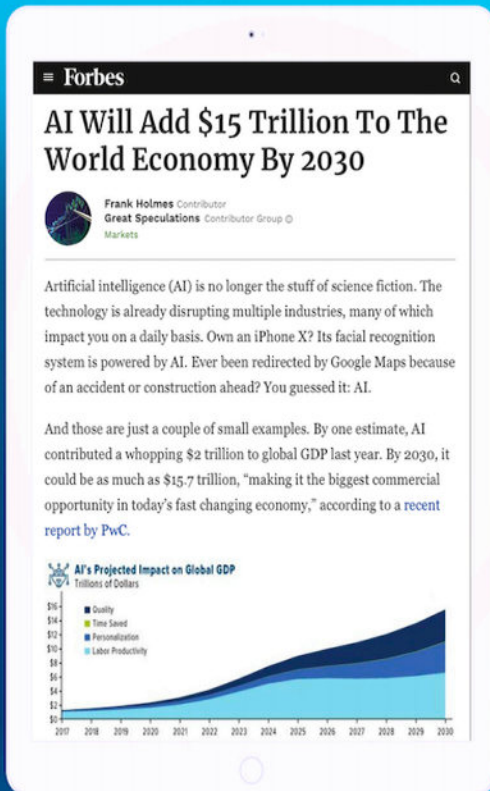
Digital content creation, game development



Autonomous Vehicles

Pedestrian & traffic sign detection, lane tracking

AI ROI to the World Economy



ACCORDING TO FORBES:

- By 2030, AI will create an estimated \$15 trillion of GDP growth.
- By 2025, the global AI market is expected to be almost \$60 billion; in 2016 it was \$1.4 billion
- In the United States, \$10 billion of venture capital is being invested into AI
- In China, the amount of Chinese patents grew by %190 in a five-year period
- %75 of executives believe they risk going out of business in 5 years if they don't adopt AI.
- %96.4 of executives reported that AI is the number 1 disruptive technology that they are investing in.

“ IDC estimates that at least 80% of all applications will have an AI component by 2020, and there is an urgent need for the world’s developers, data scientists and researchers to be able to get practical training on the use of the latest tools and technology for artificial intelligence.”

Dave Schubmehl, IDC Research Director for Cognitive/AI Systems

NVIDIA DEEP LEARNING INSTITUTE

TRAINED 120,000 DEVELOPERS
WORLDWIDE

Hands-on training in AI AND
ACCELERATED COMPUTING

DEVELOPER CERTIFICATION available

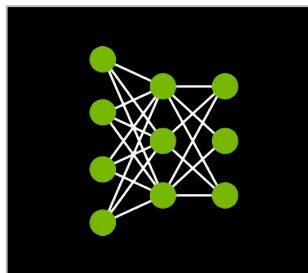
SELF-PACED TRAINING only requires a
laptop and Internet connection

INSTRUCTOR-LED WORKSHOPS taught
by certified experts

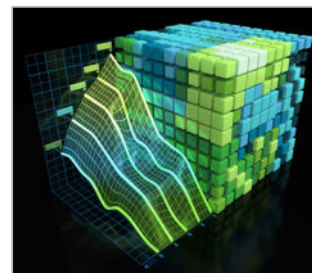
Access to GPU-ACCELERATED
WORKSTATIONS IN THE CLOUD



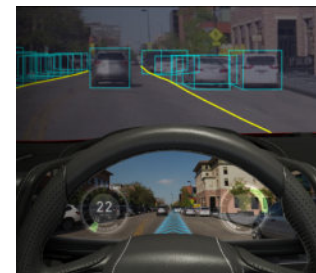
DEEP
LEARNING
INSTITUTE



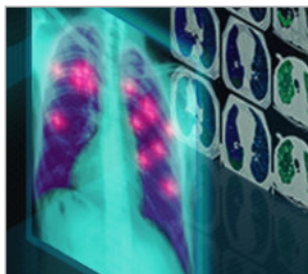
Deep Learning Fundamentals



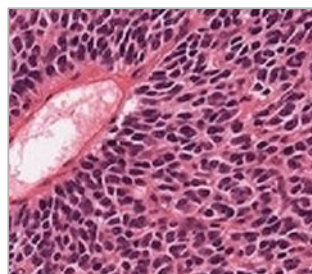
Accelerated Computing
Fundamentals



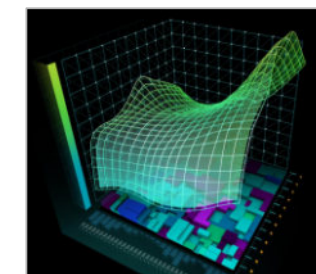
AI for Autonomous Vehicles



AI for Healthcare Image Analysis



AI for Healthcare Genomics



AI for Finance



AI for Digital Content Creation



AI for Game Development



AI for Intelligent Video Analytics



AI Lab



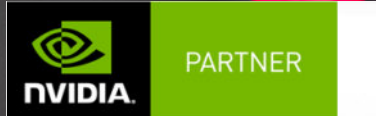
Jump start into AI

AI Lab is a tech hub for Artificial Intelligence based in Beirut
Our team will develop the roadmap to gain strategic advantage through AI

Our Mission is to help close the gap in AI expertise in the industry in Lebanon and the region.

At AI Lab, we aim to help students, researchers, and developers improve their skill sets with AI and equip them for the jobs of the future.

AI Lab



AI Lab is the certified delivery partner of NVIDIA's Deep Learning Institute educational services in EMEA.

Our complete curriculum of trainings is delivered in partnership with NVIDIA's Deep Learning Institute.



Why Collaborate with NVIDIA-AI Lab for AI Education?



Access to Technical Expertise



Flexible Training Solutions



Industry-Standard Tools and Frameworks



Applications Across Industries



Earn Certificates



Real-World Examples



GPU-Accelerated Servers in the Cloud



Reduce Time to Production



AI Lab

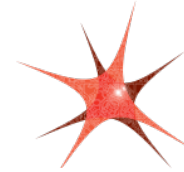
www.ailabsolutions.com

AI Lab- Bringing NVIDIA Workshops to Universities

- At AI Lab, we strive to bring NVIDIA hands-on trainings and workshops in AI, Accelerated Computing, and Data Analytics to Academic Institutions in the MENA Region.
- Here are some of the Universities we collaborated with:



Bahrain Polytechnic



بوليتكنك البحرين



جامعة الإمام عبد الرحمن بن فيصل
IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY



AUD
AMERICAN
UNIVERSITY
IN DUBAI

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Some of AI Trainings at Universities in the MENA Region



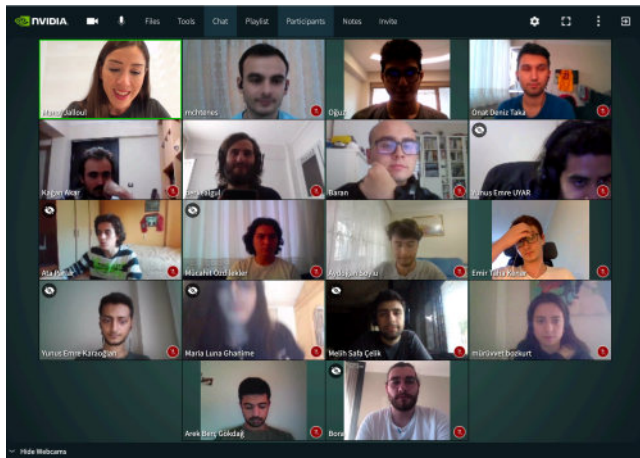
Fundamentals of Deep Learning Workshop,
Rafic Hariri University, Lebanon



Fundamentals of Deep Learning for Computer
Vision Workshop, American University in
Beirut, Lebanon



Some of AI Trainings at Universities in the MENA Region



Fundamentals of Deep Learning Workshop, Istanbul Technical University, Turkey

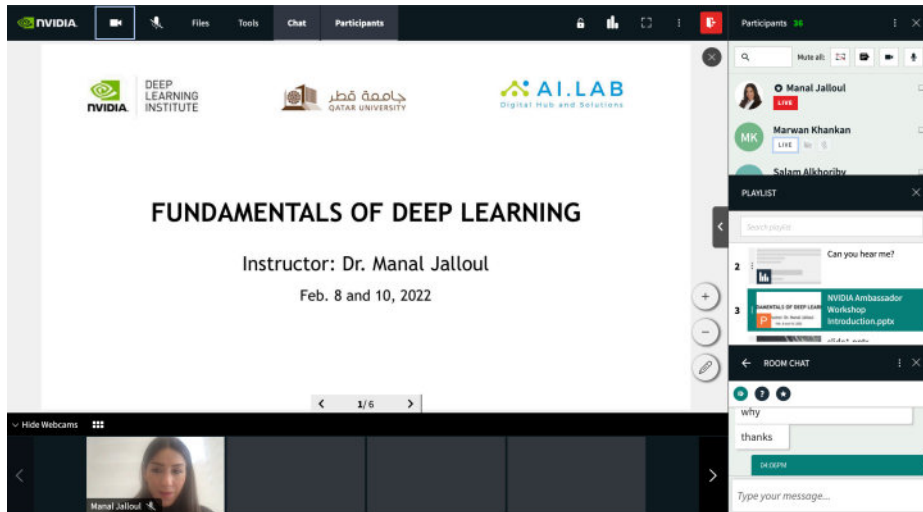
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Fundamentals of Deep Learning for Computer Vision Workshop, American University in Dubai, UAE

AUD
AMERICAN
UNIVERSITY
IN DUBAI

Some of AI Trainings at Universities in the MENA Region



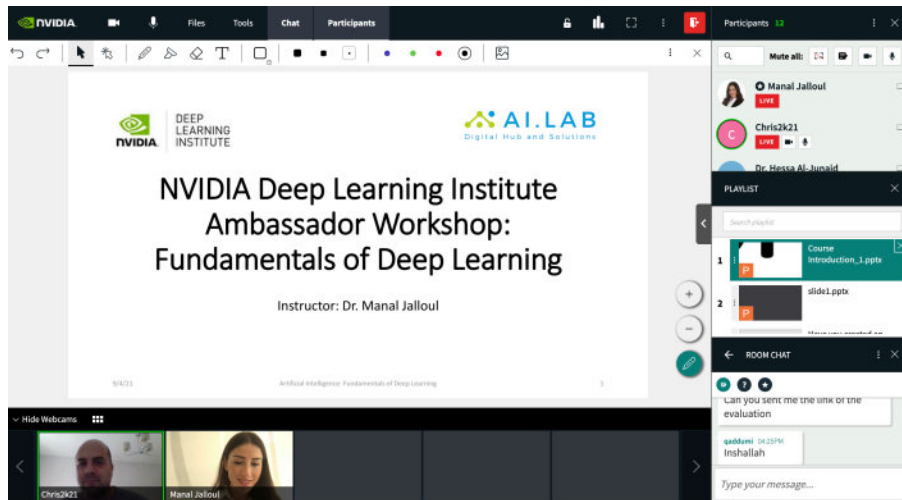
Fundamentals of Deep Learning Workshop, Qatar University, Qatar



Artificial Intelligence Training, Continuing Education Center, American University in Beirut, Lebanon



Some of AI Trainings at Universities in the MENA Region



Fundamentals of Deep Learning Workshop, Bahrain University and Bahrain Polytechnic, Bahrain



Accelerated Data Science Workshop, Stanford WiDS Datathon, Kenya

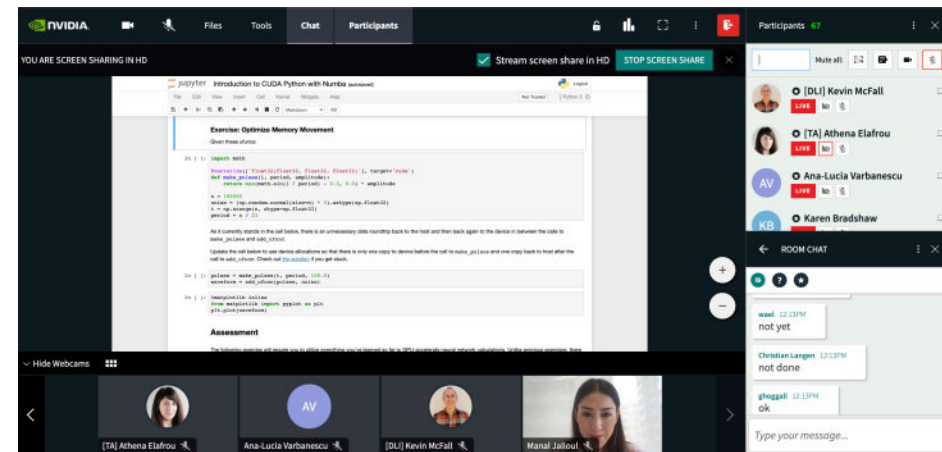
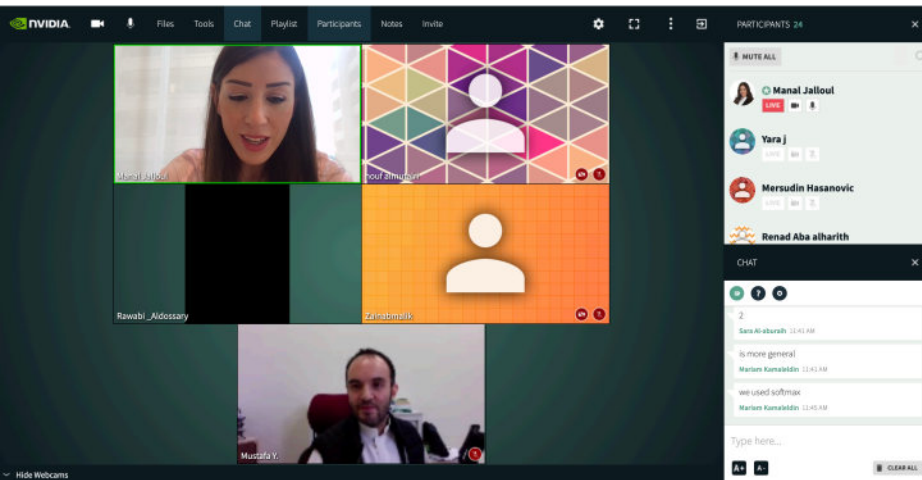


in Polytechnic



بوليتكنك البحرين

Some of AI Trainings at Universities in the MENA Region



Fundamentals of Deep Learning Workshop, Imam Abdul Rahman Bin Faisal University, Dammam, KSA

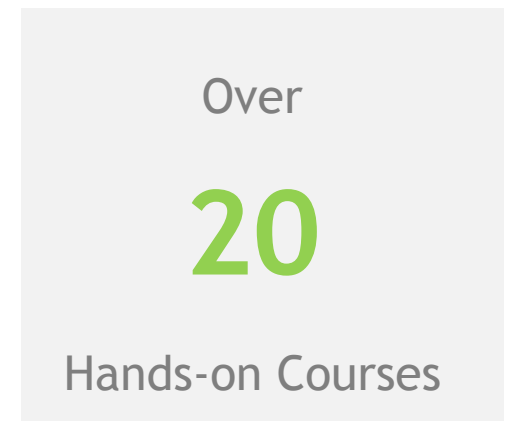
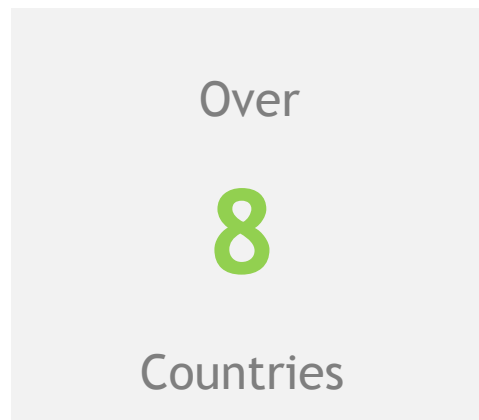
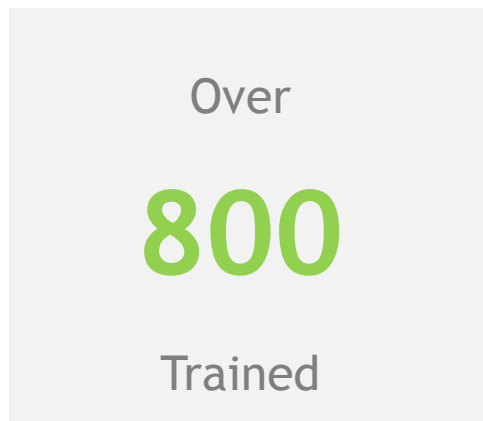
جامعة الإمام عبد الرحمن بن فيصل
IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY



Accelerating Data Science Workflows with Rapids Workshop, KAUST, KSA



Education and Training Solutions to Solve the World's Most Challenging Problems



In
Summery..

Academia-Industry Collaboration can help to democratize AI Expertise in the region and to complement existing academic programs



AI Lab in partnership with NVIDIA Deep Learning Institute helps to teach students, developers, and researchers how to solve the world's most challenging problems with AI.

Its Time to Tap into AI!

