NVIDIA Announces New AI Partners, Courses, Initiatives to Deliver Deep Learning Training Worldwide

NVIDIA today announced a broad expansion of its Deep Learning Institute (DLI), which is training tens of thousands of students, developers and data scientists with critical skills needed to apply artificial intelligence.

The expansion includes:

• New partnerships with Booz Allen Hamilton and deeplearning.ai to train thousands of students, developers and government specialists in AI.

• New University Ambassador Program enables instructors worldwide to teach students critical job skills and practical applications of AI at no cost.

• New courses designed to teach domain-specific applications of deep learning for finance, natural language processing, robotics, video analytics and self-driving cars.

"The world faces an acute shortage of data scientists and developers who are proficient in deep learning, and we're focused on addressing that need," said Greg Estes, vice president of Developer Programs at NVIDIA. "As part of the company's effort to democratize AI, the Deep Learning Institute is enabling more developers, researchers and data scientists to apply this powerful technology to solve difficult problems."

DLI - which NVIDIA formed last year to provide hands-on and online training worldwide in AI - is already working with more than 20 partners, including Amazon Web Services, Coursera, Facebook, Hewlett Packard Enterprise, IBM, Microsoft and Udacity.

Today the company is announcing a collaboration with deeplearning.ai, a new venture formed by AI pioneer Andrew Ng with the mission of training AI experts across a wide range of industries. The companies are working on new machine translation training materials as part of Coursera's Deep Learning Specialization, which will be available later this month.

"AI is the new electricity, and will change almost everything we do," said Ng, who also helped found Coursera, and was research chief at Baidu. "Partnering with the NVIDIA Deep Learning Institute to develop materials for our course on sequence models allows us to make the latest advances in deep learning available to everyone."

DLI is also teaming with Booz Allen Hamilton to train employees and government personnel, including members of the U.S. Air Force. DLI and Booz Allen Hamilton will provide hands-on training for data scientists to solve challenging problems in healthcare, cybersecurity and defense.

To help teach students practical AI techniques to improve their job skills and prepare them to take on difficult computing challenges, the new NVIDIA University Ambassador Program prepares college instructors to teach DLI courses to their students at no cost. NVIDIA is already working with professors at several universities, including Arizona State, Harvard, Hong Kong University of Science and Technology and UCLA.

DLI is also bringing free AI training to young people through organizations like AI4ALL, a nonprofit organization that works to increase diversity and inclusion. AI4ALL gives high school students early exposure to AI, mentors and career development.

"NVIDIA is helping to amplify and extend our work that enables young people to learn technical skills, get exposure to career opportunities in AI and use the technology in ways that positively impact their communities," said Tess Posner, executive director at AI4ALL.

In addition, DLI is expanding the range of its training content with:

• New project-based curriculum to train Udacity's Self-Driving Car Engineer Nanodegree students in advanced deep learning techniques as well as upcoming new projects to help students create deep learning applications in the robotics field around the world.

• New AI hands-on training labs in natural language processing, intelligent video analytics and financial trading.

• A full-day self-driving car workshop, "Perception for Autonomous Vehicles," available later this month. Students will learn how to integrate input from visual sensors and implement perception through training, optimization and deployment of a neural network.

To increase availability of AI training worldwide, DLI recently signed new training delivery partnerships with Skyline ATS in the U.S., Boston in the U.K. and Emmersive in India.

More information is available at the DLI website, where individuals can sign up for in-person or self-paced online training.

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NVIDIA's (NASDAQ:NVDA) invention of the GPU in 1999 sparked the growth of the PC gaming market, redefined modern computer graphics and revolutionized parallel computing. More recently, GPU deep learning ignited modern AI — the next era of computing — with the GPU acting as the brain of computers, robots and self-driving cars that can perceive and understand the world. More information at http://nvidianews.nvidia.com/.

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