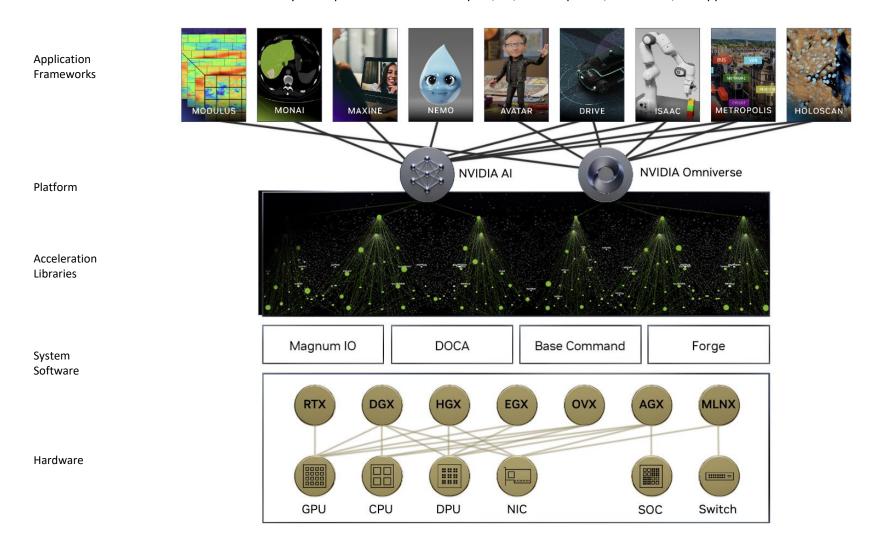


NVIDIA – From Gaming to Generative Al

Troy Estes, Developer Relations Manager

Pioneering Accelerated Computing

Accelerated computing requires full-stack optimization, from chip architecture, systems, and acceleration libraries, to refactoring the applications. The global NVIDIA ecosystem spans 4.5 million developers, 40,000 companies, and over 3,300 applications.





New Era of Generative Al

Unlocking unprecedented levels of productivity



Customer Experience
Customer Self-Service

Agent Experiences

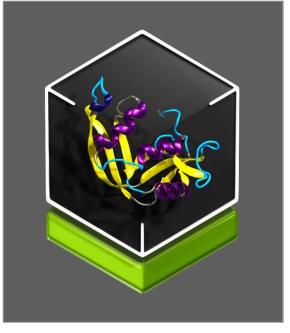


Content Creation

Personalization Domain
Specific Summarization



Software Engineering
Coding Assistant



Product R&D

Enhanced Design
Simulation and Testing

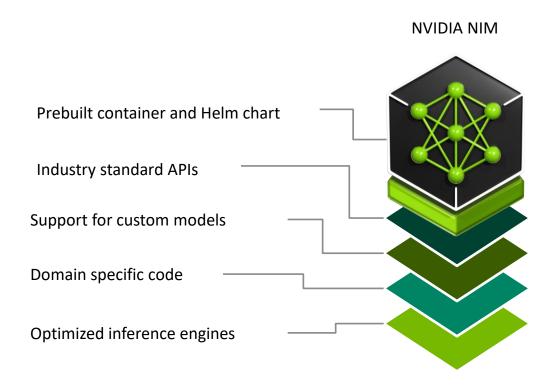
"...generative AI has the potential to generate \$2.6 trillion to \$4.4 trillion in value across industries."

— McKinsey Digital, "The Economic Potential of Generative AI: The Next Productivity Frontier" 2023



NVIDIA NIM Optimized Inference Microservices

Accelerated runtime for generative Al



Deploy anywhere with security and control of AI applications and data

Speed time to market with prebuilt, continuously maintained microservices

Empower developers with the latest AI models, standard APIs and enterprise tools

Optimize throughput and latency to maximize token generation and responsiveness

Boost accuracy by tuning custom models from proprietary data sources

Deploy in production with API stability, security patching, quality assurance and enterprise support









DGX & DGX Cloud











NVIDIA NIM Agent Blueprints

Available on build.nvidia.com

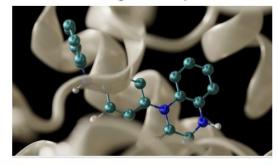
Digital Humans for Customer Service



Multimodal PDF Data Extraction for Enterprise RAG



Generative Virtual Screening for Drug Discovery



monthly release

NVIDIA NIM Agent Blueprint

Example Application



Interactive experience that can be easily replicated

Sample Data



Public data for workflow testing

Reference Code



Leverage proven pre-trained models

Architecture



Reference architecture including API definitions, NIM, and more

Customization Tools



Customize and evaluate models

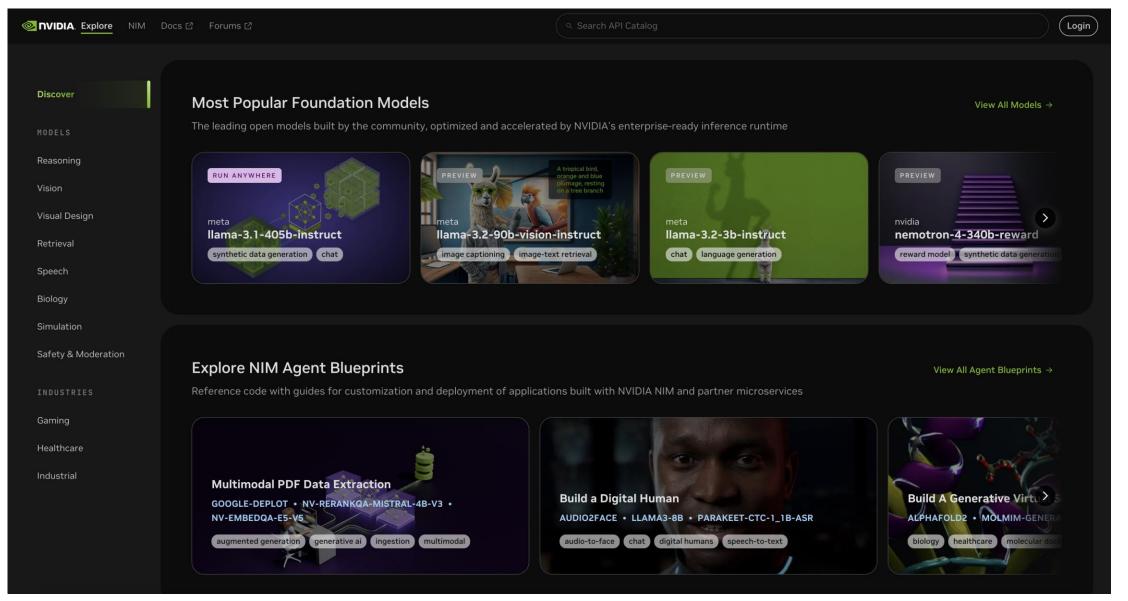
Orchestration Tools



Deploy and manage workflow microservices



Build.nvidia.com





NGC Catalog

GPU-Optimized Software

AI FRAMEWORKS





MODELS

MODEL SCRIPTS

COLLECTIONS





AI TOOLKITS







PyTorch, TensorFlow...

TAO, TensorRT, Triton...

BERT, Transformer...

Jupyter Notebooks

Computer Vision, Speech...



Computer Vision



Traffic Analysis



Gesture Recognition



Medical Imaging

Conversational Al



Chat bots



Translation



Music composition

Recommendation



Page rankings



Personalized shopping



Music & movie suggestions

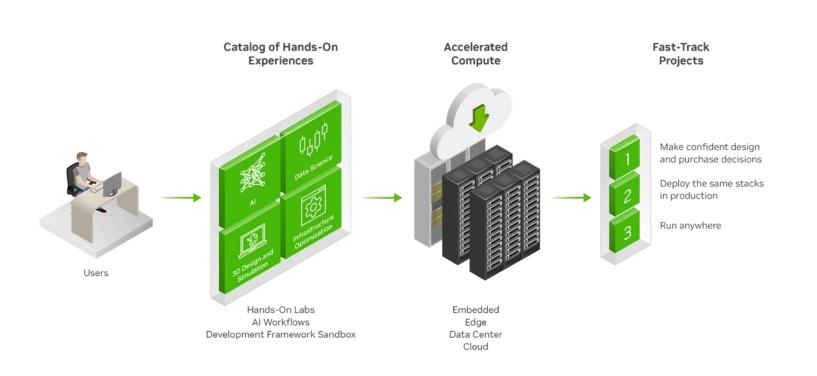


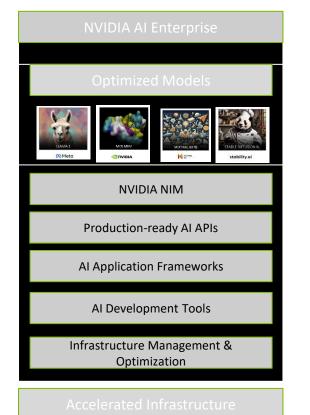
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Software

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Learning

Tutorials, self-paced courses, blogs, documentation, code samples

Training

Hands-on self-paced courses, instructorled workshops, and certifications

GPU Sandbox

Approval basis, multi-GPU and multi-node

Community

Dedicated developer forums, meetups, hackathons

Ecosystem

GTC, NVIDIA Partner Network

Organizations

Startups

Cloud credits, engineering resources, technology discounts, exposure to VCs

Venture Capital

Deal flow and portfolio support for Venture Capital firms

Higher Education

Teaching kits, training, curriculum codevelopment, grants

ISVs and **SIs**

Engineering guidance, discounts, marketing opportunities

Research

Grant programs, collaboration opportunities

Enterprises

Tailored developer training, skills certification, technical support

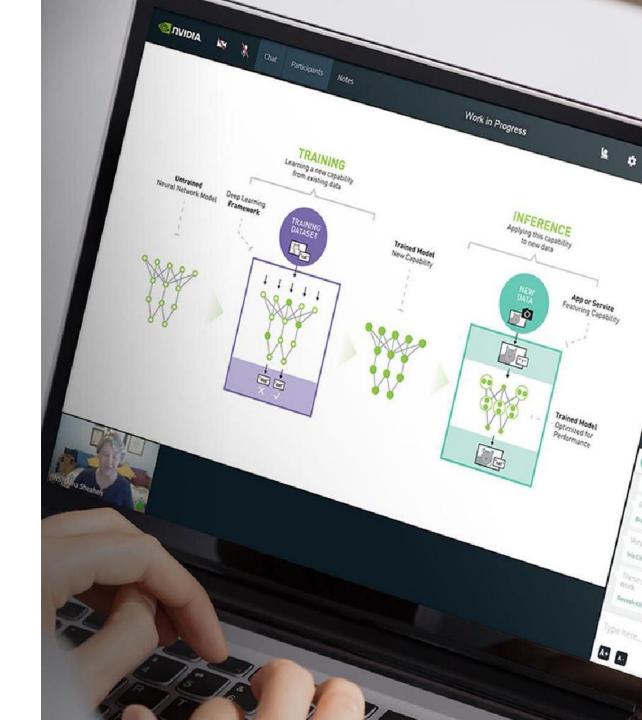


NVIDIA Deep Learning Institute (DLI)

Hands-on training in accelerated computing, AI, and accelerated data science to help you solve your most challenging problems

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- Hands-on experience with the most widely used, industrystandard software, tools, and frameworks
- Join live, instructor-led workshops and learn from NVIDIA-certified instructors who are experts in their fields
- Take self-paced, online courses anytime, anywhere
- Earn NVIDIA course certificates and certifications to demonstrate subject matter competency and support career growth

Learn more at: www.nvidia.com/dli



DLI Programs for Educators



Ambassador Program

- Qualified faculty and researchers can get certified to teach workshops to their students at no cost
- Hundreds of universities with certified NVIDIA Ambassadors around the world



Teaching Kit Program

- Qualified university educators can download courseware across accelerated computing, deep learning, and robotics
- Kits include lecture materials, GPU cloud resources, access to self-paced courses, and more

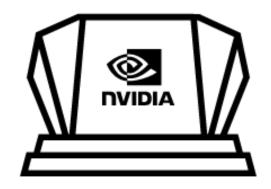


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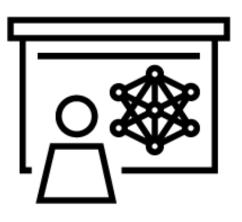
Next Steps



Virtual Resources



NVIDIA GTC



Deep Learning Institute

