Intellectual POINT
EXCELLENCE THROUGH EDUCATION

Hands-On Practical Approach To Generative AI and Machine Learning

This hands-on course in generative AI and machine learning equips professionals with key skills, including understanding generative AI principles, mastering machine learning techniques, addressing model challenges, and navigating ethical considerations. Participants gain practical skills for effective implementation in the DoD and federal mission areas.

AI FUNDAMENTALS | LIVE CLASSES | CERTIFICATION INCLUDED

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ai.intellectualpoint.com

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WHAT YOU WILL LEARN

Simple and straight-to-the-point hands-on live classes

Flexible, beginner-friendly classes with the highest graduation and employment rates in the industry.

LEARN WITH THE BEST INSTRUCTORS

LEARNING OUTCOMES Upon completing this course, participants will be able to:

1. AI is drastically changing our world, with applications varying from healthcare to finance, guided by key terminologies and principles like AI workloads, data science pipeline stages, DoD AI Principles and types of machine learning.
2. AI technologies such as computer vision and NLP are widely applied. Importantly, they must align with practices for proper data labeling, scaling, and ensuring responsible and unbiased AI usage.
3. AI systems can be challenged by adversarial attacks and model issues like hallucinations and drift. Therefore, security measures like guardrails and RMF & ISO standards are crucial.
4. Generative AI and LLMs, comprising technologies like GANs and transformer-based models, have broad applications, including government sectors. Achieving their secure integration with data, identifying potential risks and mitigating strategies are critical.
5. Commercial AI/HPC applications are offered by firms like Nvidia and Dell. HPC setups often involve advanced components like high-density racks and liquid cooling.
6. Knowledge of emerging trends and advancements, and familiarity with pre-trained LLM models from resources like Hugging Face, are essential in staying current in the AI field.
7. Jetson Nano and GPUs provide options for hands-on AI projects. They entail collecting and annotating image data for creating models.
8. Using Jetson Nano, one can train neural networks, create deep learning models and run inferences smoothly.
9. JupyterLab accessibility through a Docker container, and training deep neural networks in PyTorch, signify the use of popular software tools in AI development.
10. Jetson Nano's application extends to training image regression deep neural networks to infer the X-Y coordinates for specific objects in images, a key image processing task.

Start your journey in **Artificial Intelligence** today

Boost your career momentum while embracing continuous learning with Intellectual Point

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Enroll Today