



Large Language Model Crash Course for CTOs

Syllabus



San Jose - California
+1 408 695 3110

<https://aiproductinstitute.com>
info@aiproductinstitute.com

In this comprehensive course, you'll gain deep insights into the world of Generative AI and learn how to harness the power of Large Language Models (LLMs) to drive innovation in your organization. With no prior LLM knowledge required, you'll discover the benefits of using LLMs, such as the ability to create general-purpose AI models that can address multiple solutions, saving time and resources. By leveraging this technology, you can unlock new opportunities, improve productivity, and revolutionize your products and services. With our expert trainers from AI Product Institute, you'll delve into key topics like Generative AI algorithms, generative AI platforms and services, prompt engineering, risk management, and much more. Join us for this immersive training and become an AI leader in your industry!

By the end of this course, you will have a solid foundation in generative AI, enabling you to leverage its power for your role as a CTO. You will be able to identify generative AI opportunities, evaluate AI solutions, and implement risk management techniques to ensure the responsible and effective use of AI in your organization.

Don't miss this opportunity to gain expertise in generative AI and drive innovation in your company. Sign up now at <https://aiproductinstitute.com/llm-crash-course-for-ctos> .

1. Introduction to Generative AI

- Overview of Generative AI Foundations
- Importance of Generative AI for CTOs

2. Generative AI Algorithms Demystified

- Introduction to Large Language Models (LLMs)
- Different types of AI: Narrow-purpose vs. General-purpose
- Balancing intent alignment in AI models

3. Opportunities with Generative AI

- Identifying opportunities for AI applications
- Labeling, training, and deploying AI solutions
- Narrow-purpose vs. General-purpose AI models

4. Custom Comparison and Custom Demonstration

- Evaluating generative AI solutions
- Conducting custom comparisons and demonstrations
- Frameworks to assess AI solutions

5. Environments for Generative AI

- Understanding different environments for AI solutions
- Proprietary, Open-source, Cloud, On-prem, Edge
- Prompt Engineering, Plugins, and Model Fine-tuning

6. Large Language Models (LLMs)

- Overview of LLMs like GPT-4, LaMDA, PaLM, Alpaca
- Comparing LLMs with Chatbots
- LLM Leaderboard and advancements in the field

7. From Data to ChatGPT

- ML training process for LLMs
- Base LLM and Chatbot models
- Training and inference steps for LLMs

8. AI Intent Alignment and Risk Management

- Understanding intent alignment in AI models
- Risk management techniques for safe AI solutions
- Addressing biases and behavioral issues in AI models

9. Evaluation Frameworks for Generative AI

- Frameworks to evaluate and benchmark AI solutions
- Importance of human evaluations and limitations
- Benchmarking, red teaming, and risk analysis

10. Generative AI MLOps

- Overview of MLOps for generative AI
- Development, deployment, and maintenance lifecycle
- Monitoring, retraining, and risk control mechanisms