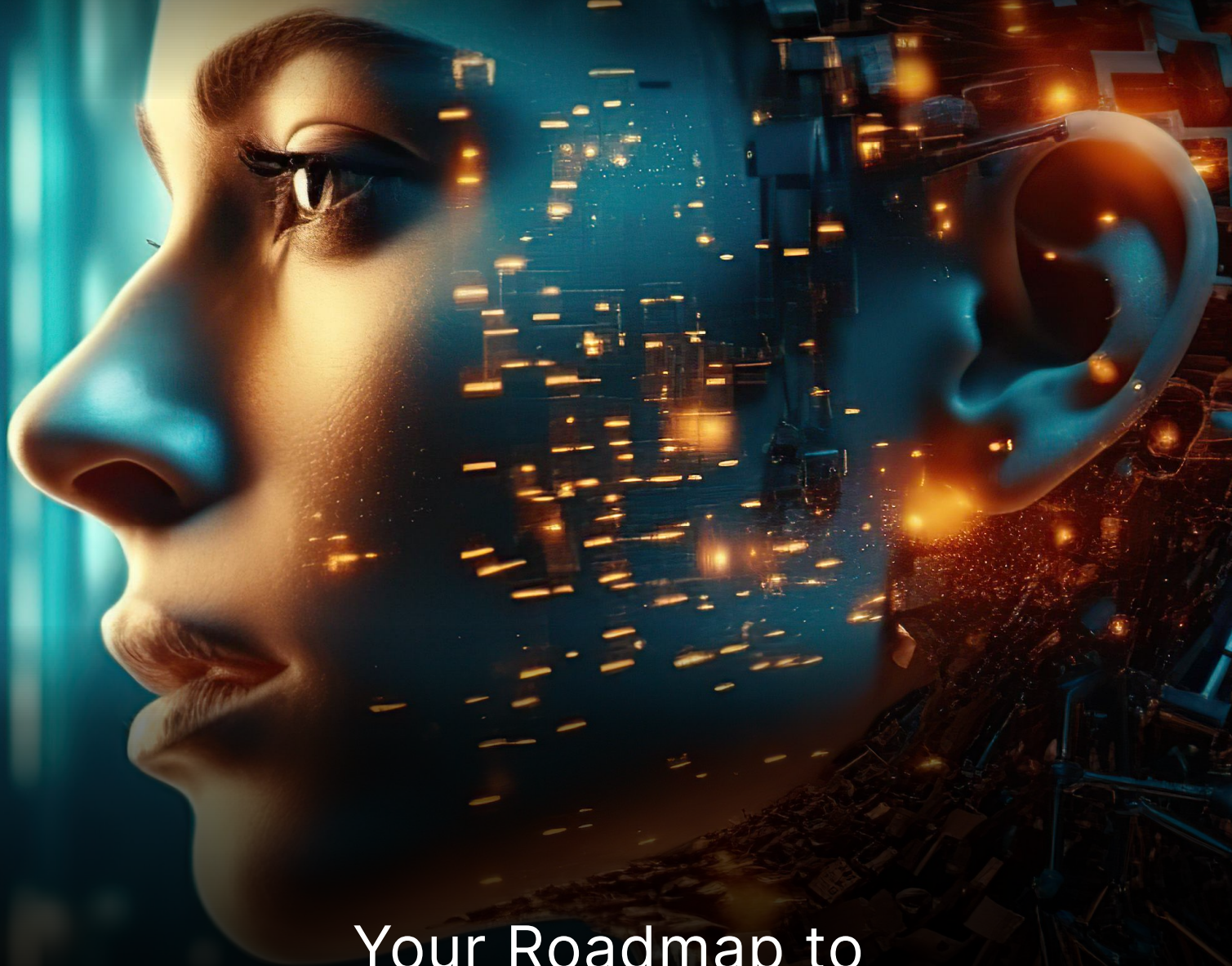




GenAI Pinnacle Program

Revolutionizing AI Learning & Development



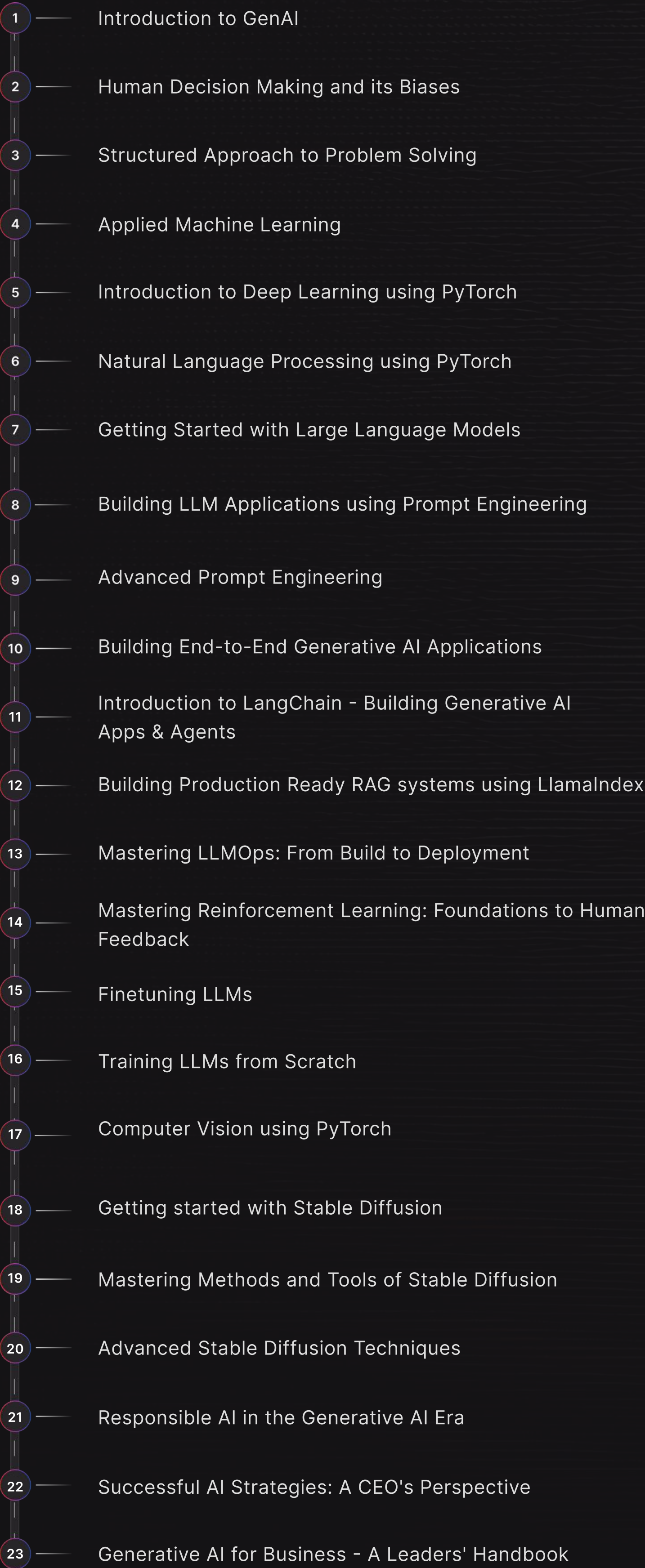
Your Roadmap to
Become a Certified GenAI Professional

About the Program

Designed by leading experts, this program offers a structured pathway to mastering Generative AI. Whether you're aspiring to innovate in technology, enhance business solutions, or lead in the AI revolution, our program is your gateway to achieving these goals.

GenAI Pinnacle Program

Learning Roadmap

- 
- 1 Introduction to GenAI
 - 2 Human Decision Making and its Biases
 - 3 Structured Approach to Problem Solving
 - 4 Applied Machine Learning
 - 5 Introduction to Deep Learning using PyTorch
 - 6 Natural Language Processing using PyTorch
 - 7 Getting Started with Large Language Models
 - 8 Building LLM Applications using Prompt Engineering
 - 9 Advanced Prompt Engineering
 - 10 Building End-to-End Generative AI Applications
 - 11 Introduction to LangChain - Building Generative AI Apps & Agents
 - 12 Building Production Ready RAG systems using LlamaIndex
 - 13 Mastering LLMOps: From Build to Deployment
 - 14 Mastering Reinforcement Learning: Foundations to Human Feedback
 - 15 Finetuning LLMs
 - 16 Training LLMs from Scratch
 - 17 Computer Vision using PyTorch
 - 18 Getting started with Stable Diffusion
 - 19 Mastering Methods and Tools of Stable Diffusion
 - 20 Advanced Stable Diffusion Techniques
 - 21 Responsible AI in the Generative AI Era
 - 22 Successful AI Strategies: A CEO's Perspective
 - 23 Generative AI for Business - A Leaders' Handbook

Navigating the World of GenAI: A Structured Approach

Introduction to Generative AI:

Sets the foundation in Generative AI, crucial for understanding its impact and potential in various fields.

Human Decision Making and Its Biases:

Discover how to identify and counteract human biases to improve decision-making and data analysis.

Structured Approach to Problem Solving:

Equip yourself with this Introductory course on the concepts and tools of problem-thinking

Applied Machine Learning:

Focuses on applying machine learning techniques, vital for practical implementation.

Introduction to Deep Learning using PyTorch:

Explore deep learning basics and frameworks, solve real-world problems like forecasting GPAs, predicting average bank customer spend, etc.

Natural Language Processing using PyTorch:

Analyze and preprocess text data, implement transformer-based models, and solve real-world applications like game review categorization, news headline extraction, etc.

Getting Started with LLMs:

Provides a comprehensive understanding of LLMs, fundamental for any professional working in Generative AI.

Building LLM Apps using Prompt Engineering:

Teaches the development of practical applications using LLMs.

Advanced Prompt Engineering:

Understand advanced techniques like CoT and ToT, refine prompts for complex applications, and build or fine-tune LLMs using advanced prompt methods.

Building End-to-End Generative AI Applications:

Explore the intricate realm of constructing generative AI applications, starting from fundamental text-based chatbots to sophisticated, interactive UI-based chatbots and assistants.

Introduction to LangChain- Building Generative AI Apps & Agents

Explore LangChain basics and functionals like LangSmith, LangGraph, and LangServe, cover differences between Legacy Syntax and LCEL, and develop core components while deploying and monitoring applications with hands-on projects.

Building Production Ready RAG systems using LlamaIndex:

Focuses on creating advanced RAG systems tailored for Generative AI applications.

Mastering LLMOps: From Build to Deployment:

LangChain, Kubernetes, and more. Hands-on with deployment, autoscaling, and load testing. Perfect for mastering LLM deployment in real-world scenarios.

Mastering Reinforcement Learning:

Explore Markov Decision Processes, Dynamic Programming, Monte Carlo methods, and Model-Free Control. Gain hands-on experience with techniques like Deep Q-Networks, Proximal Policy Optimization (PPO), and RLHF.

Finetuning LLMs:

Enhances skills in optimizing Generative AI models, ensuring effectiveness and efficiency in applications.

Training LLMs from Scratch:

Offers hands-on experience in developing LLMs, a pinnacle skill for innovators in the field.

Computer vision using PyTorch:

Master CNNs, image classification, and object detection. This course includes top resources and practical exercises to enhance your CV skills and advance your career.

Getting Started with Stable Diffusion:

Covers the basics of Stable Diffusion models, expanding your toolkit in creative AI applications.

Mastering Methods and Tools of Stable Diffusion:

Equips you with advanced techniques for content creation, essential for roles in AI-driven creative fields.

Advanced Stable Diffusion Techniques:

Delves into sophisticated methods for content generation, enhancing your capabilities for cutting-edge applications.

Responsible AI in the Generative AI Era:

Explore the principles of Responsible AI, and illustrate their application within the context of Generative AI technologies.

Successful AI Strategies: A CEO's Perspective:

Explores key components for driving AI outcomes, strategies for error reduction, and insights into optimizing AI adoption for organizational effectiveness.

Generative AI for Business - A Leaders' Handbook:

Discover the impact, explore applications, and develop strategies for integrating generative AI across various business domains.

Next Steps in Your Generative AI Journey

Step 1: Download the Curriculum

Get a detailed overview of each module and its relevance in the industry.



Step 2: Talk to an Expert

Get Personalized Advice on how the program aligns with your career goals.



Step 3: Enroll in the Program

Take your first step towards becoming a certified Generative AI professional.



Every step you take propels you towards achieving mastery in the field of Generative AI.

Shaping Tomorrow with Generative AI

Enroll now

Contact Us:



+91-9354711240



training_support@analyticsvidhya.com



analyticsvidhya.com/genaipinnacle

