

2.997 | June IAP 2024

Generative AI Modeling With Vertex AI Studio

6 Month's Programme
6 Month's Internship

Join our AI Engineering Specialization program and dive into the world of Generative AI Modeling with Vertex AI Studio.

This course will equip you with the knowledge and hands-on experience needed to build and deploy cutting-edge generative AI models.





**Human Intelligence
Meets Artificial
Learning
Intelligence**

Welcome to AiML Campus School of Machine Learning, where innovation meets education!

Our one-year Specialization program offers a unique blend of comprehensive learning and practical experience, tailored for highly motivated individuals with a passion for Machine Learning.



Affiliated And Member:



Supported By

Stanford University
Human Centered
Artificial Intelligence



Member

AiML Campus's
Commitment to
Technical Excellence
through AICTSD
Recognition



Affiliated

Michigan Association for
Computer Users in
Learning (MACUL)
partnered by AiML Campus

MUMBAI

First International Financial
Level 1 & 3A, First International Financial
Centre, Plot Nos. C-54 & C-55 G Block Road,
Bandra Kurla Complex, Bandra East, Mumbai,
Maharashtra 400051, India

BANGALORE

Helios Business Park
Level 6, Tower E & Level 10, Tower C, Helios
Business Park Wing C, No. 150 Outer Ring Road,
Kadubeesahalli, Bangalore, Karnataka 560103,
India

OUR CORE TOPICS IN GENERATIVE AI MODELLING VERTEX AI STUDIO

MUMBAI

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1

Introduction to Generative AI Modeling With Vertex AI Studio

Generative AI Modeling with Vertex AI Studio is a comprehensive course designed to teach the fundamentals and applications of generative AI. Participants will learn to build and deploy advanced AI models using Google's Vertex AI Studio, a robust platform that integrates essential tools and services for machine learning.

2

Working with Notebooks in Vertex AI

Working with Notebooks in Vertex AI is a practical and efficient way to develop and manage machine learning models. Vertex AI Notebooks provide an integrated environment where data scientists and AI practitioners can write, execute, and debug code seamlessly. These Jupyter-based notebooks come pre-configured with popular machine learning libraries and are fully managed, ensuring scalability and security.

3

Introduction to Image Generation

Introduction to Image Generation is a course focused on teaching the techniques and applications of generating images using artificial intelligence. Participants will explore fundamental concepts such as generative adversarial networks (GANs) and variational autoencoders (VAEs), which are pivotal in creating realistic images. The course offers hands-on experience with popular machine learning frameworks and tools, enabling learners to build and train their own image generation models.

4

Introduction to Vertex Natural Language Processing

Introduction to Vertex Natural Language Processing (NLP) is a comprehensive course designed to equip learners with the skills needed to build and deploy NLP models using Google's Vertex AI platform. Participants will learn about key NLP concepts and techniques, including text preprocessing, tokenization, sentiment analysis, and named entity recognition.

5

Generative AI with Vertex AI: Prompt Design

Generative AI with Vertex AI focuses on leveraging Google's Vertex AI platform to develop sophisticated AI models capable of generating text, images, and other content. A crucial aspect of this process is prompt design, which involves crafting effective input prompts to guide the AI in producing desired outputs.