



2.997 | June IAP 2024

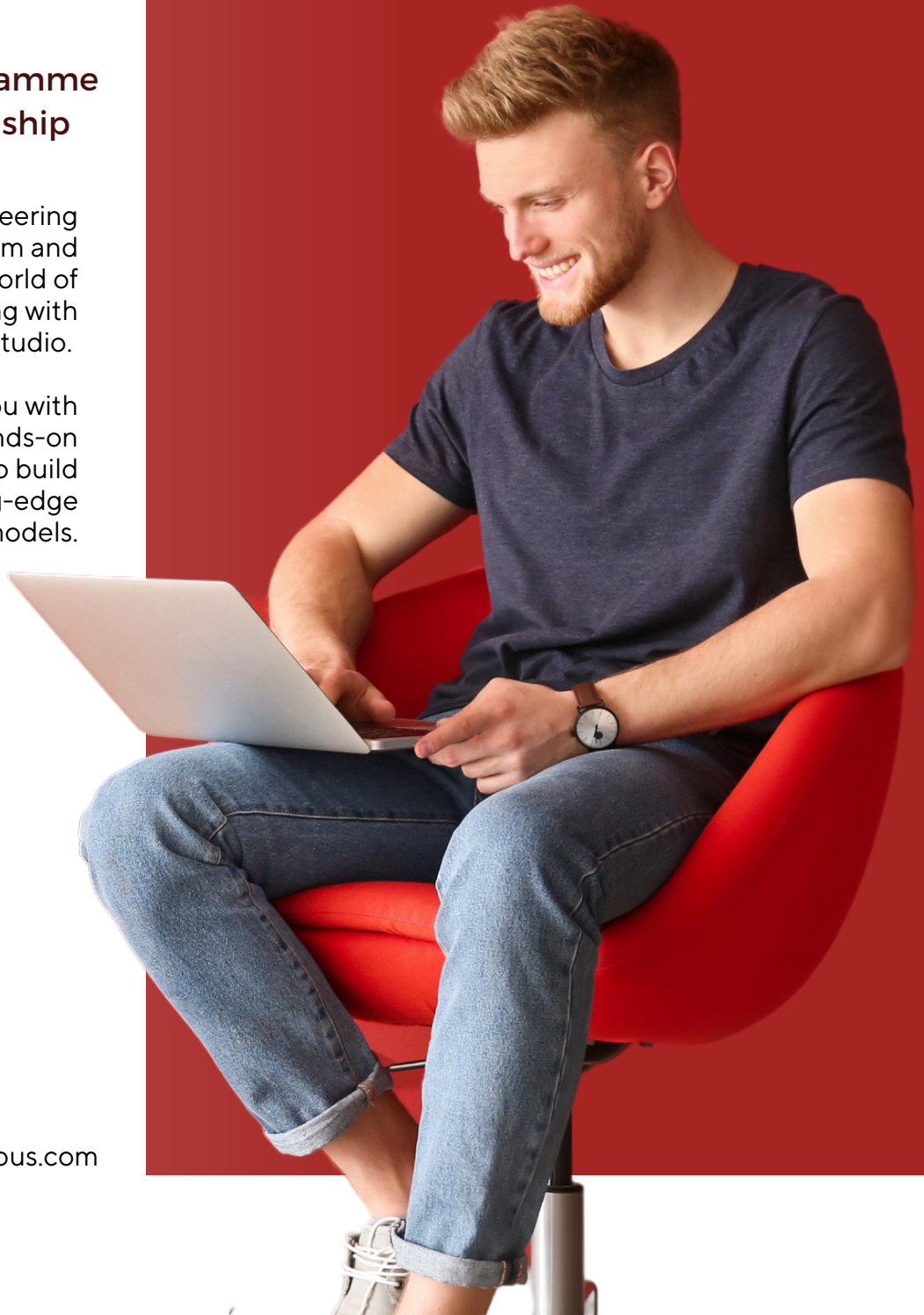
# Generative AI Modeling With Vertex AI Studio

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.

[www.aimlcampus.com](http://www.aimlcampus.com)





**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.**

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Level 1 & 3A, First International Financial  
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Bandra Kurla Complex, Bandra East, Mumbai,  
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**BANGALORE**

Helios Business Park  
Level 6, Tower E & Level 10, Tower C, Helios  
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Kadubeesanahalli, Bangalore, Karnataka 560103,  
India

# OUR CORE TOPICS IN GENERATIVE AI MODELLING VERTEX AI STUDIO

## MUMBAI

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### 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.