

 Google Cloud

Generative AI for Healthcare

Module 0
April 2024

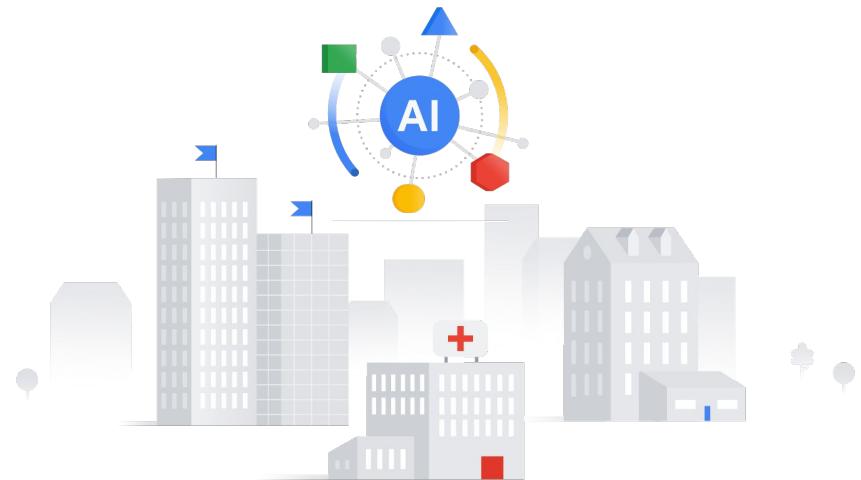
COURSE TITLE

V01

Course Introduction



The entire landscape of work and decision-making

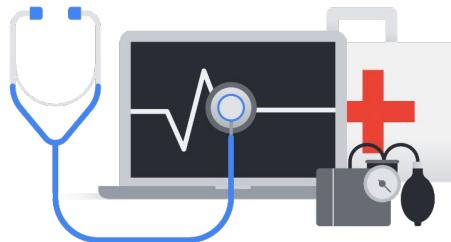


is being revolutionized by artificial intelligence,



with generative AI, or Gen AI, at the forefront. This powerful technology has already transformed numerous industries, and healthcare is no exception.

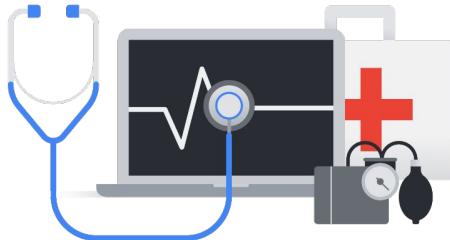
Gen AI is changing the way we approach:



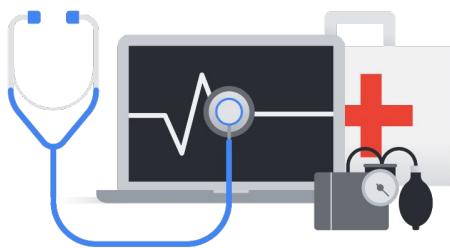
Gen AI is actively changing the way we approach

Gen AI is changing the way we approach:

- Patient treatment



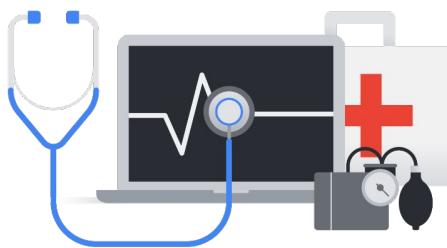
patient treatment,



Gen AI is changing the way we approach:

- Patient treatment
- Medication

medication,



Gen AI is changing the way we approach:

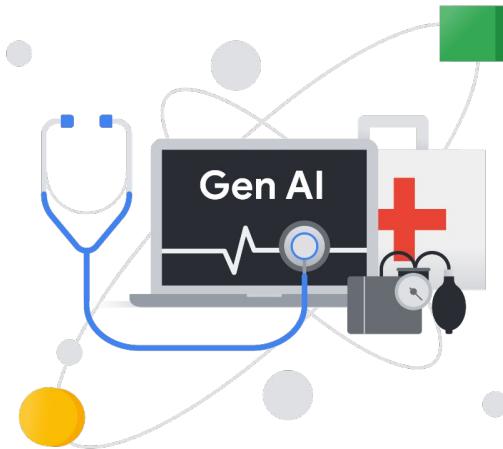
Patient treatment

Medication

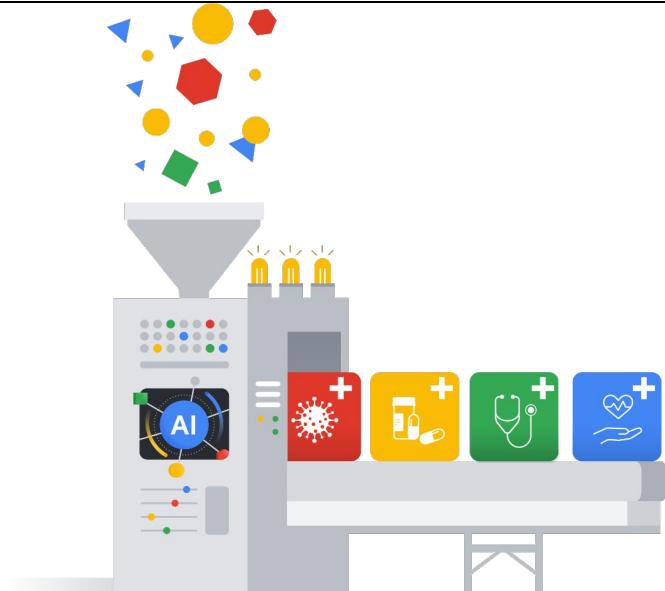
Clinical efficiency

and clinical efficiency, leading to real-world improvements and potentially saving lives.

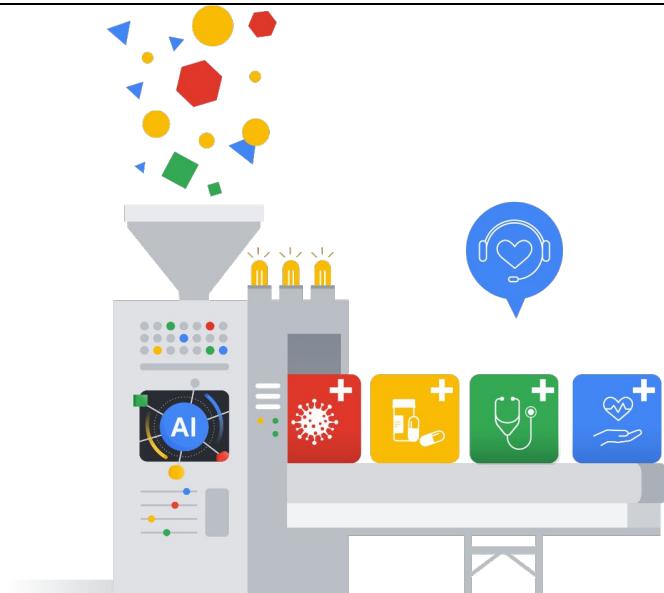
Gen AI for Healthcare



Welcome to the Gen AI for Healthcare course, where you'll explore the world of generative AI, specifically tailored to the healthcare sector.



Imagine AI models that can generate realistic medical summaries, assist with diagnosis,



or even create virtual assistants for patient support. The possibilities are vast.

- 01** Introduction to Gen AI and LLMs
- 02** Describe how Gen AI and LLMs can be used in healthcare
- 03** Model tuning
- 04** Domain-specific foundation models
- 05** Multimodal large language models
- 06** Prompt design



Through a combination of videos, quizzes, and hands-on labs, you'll get an introduction to generative AI and large language models (LLMs), and learn how you can use these tools to transform the way you approach healthcare.

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You'll learn to describe generative AI and large language models, and describe how they can be used in healthcare.

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Other healthcare-specific topics this course covers include model tuning,

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domain-specific foundation models,

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multimodal large language models,

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and prompt design.