

PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY

Department of Computer Science & Engineering

ASSIGNMENT -1 & 2

Course Outcomes		
Upon successful completion of the course, the student will be able to:		
CO1	Understand the basic concepts of Artificial Intelligence.	L2
CO2	Apply the principles of AI in solutions that require problem solving, knowledge representation.	L3
CO3	Apply Planning and Learning for solving AI problems.	L3
CO4	Analyze a given problem and apply AI Techniques.	L4

NAME OF THE CERTIFICATION :	Google GenAI Certification	
STUDENT FULL NAME:	Paidimukkula Lavanya	
STUDENT REGISTRATION NUMBER:	22501A05D4	
COURSE:	B. Tech	
YEAR / SEM / GROUP	III-I , G3	
COURSE NAME: Professional Elective Course - I	ARTIFICIAL INTELLIGENCE	
COURSE CODE:	20CS4501D	
ACADEMIC YEAR:	2024-25	
DATE OF SUBMISSION:		
SIGNATURE OF STUDENT:		
MARKS ALLOTTED:	Assignment-1 /5	Assignment-2 /5
NAME AND SIGNATURE OF COURSE COORDINATOR:	Mr. A. Prashant	

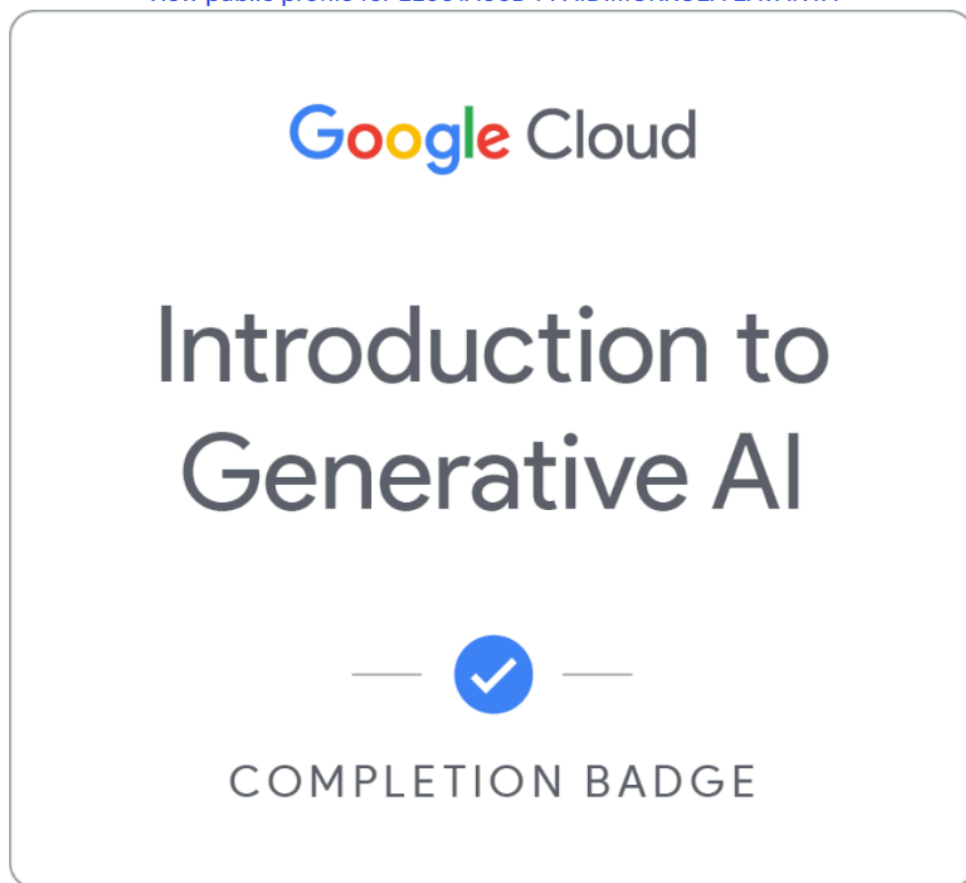
Beginner: Introduction to Generative AI Learning Path

1. Introduction to Generative AI

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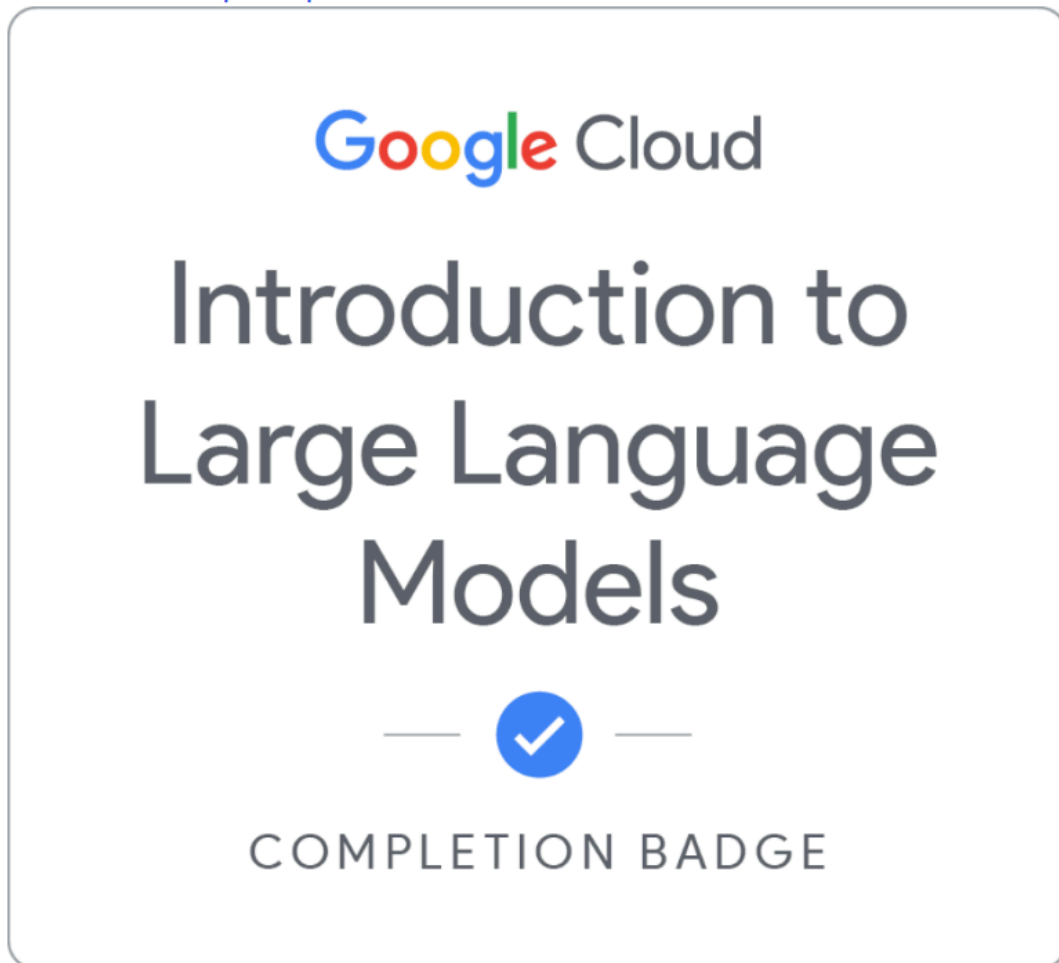
Introduction to Generative AI
May 11, 2024

2.Introduction to Large Language Models

https://www.cloudskillsboost.google/public_profiles/ba000f66-cac8-422a-b122-3d7dd53d73b1/badges/8980064

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Introduction to Large Language Models

May 12, 2024

3.Introduction to Responsible AI

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Introduction to Responsible AI



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Introduction to Responsible AI

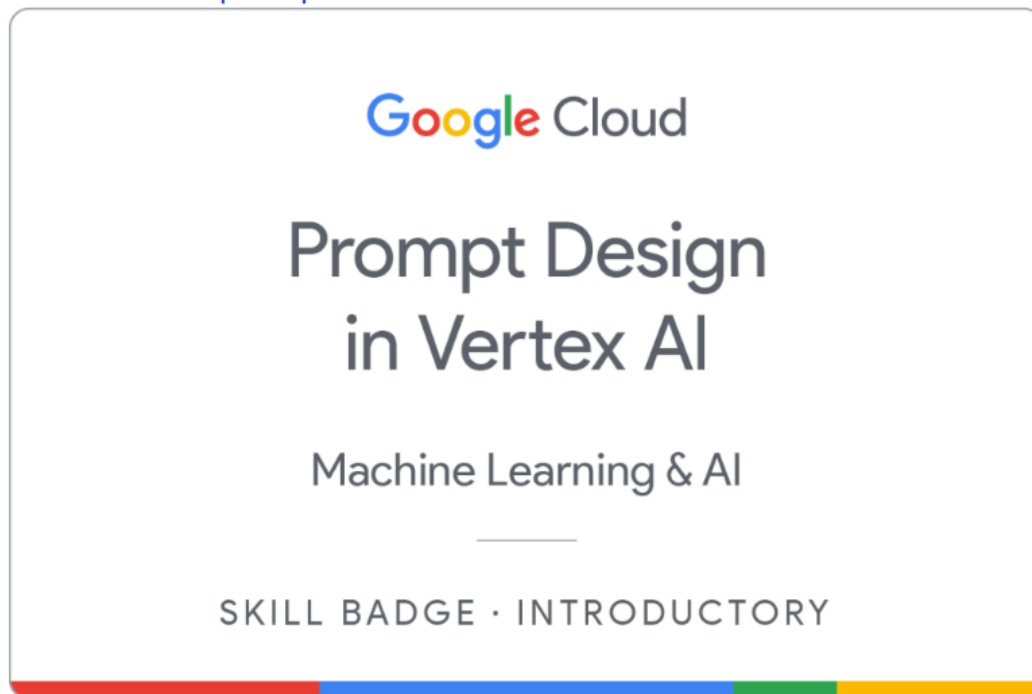
May 12, 2024

4.Prompt Design in Vertex AI

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Prompt Design in Vertex AI

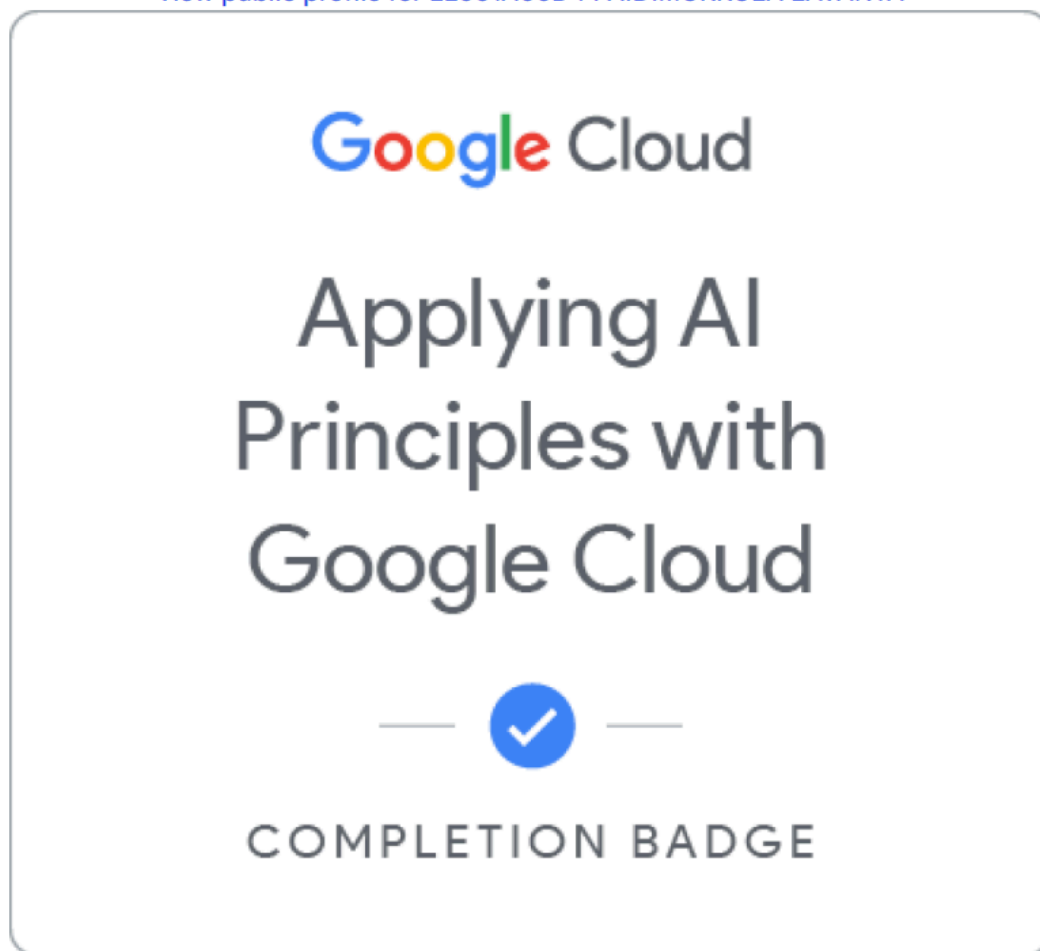
May 20, 2024

5.Responsible AI: Applying AI Principles with Google Cloud

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Responsible AI: Applying AI Principles with Google Cloud
Aug 16, 2024

Intermediate: Gemini for Google Cloud Learning Path

1. Gemini for Network Engineers

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Gemini for Network Engineers

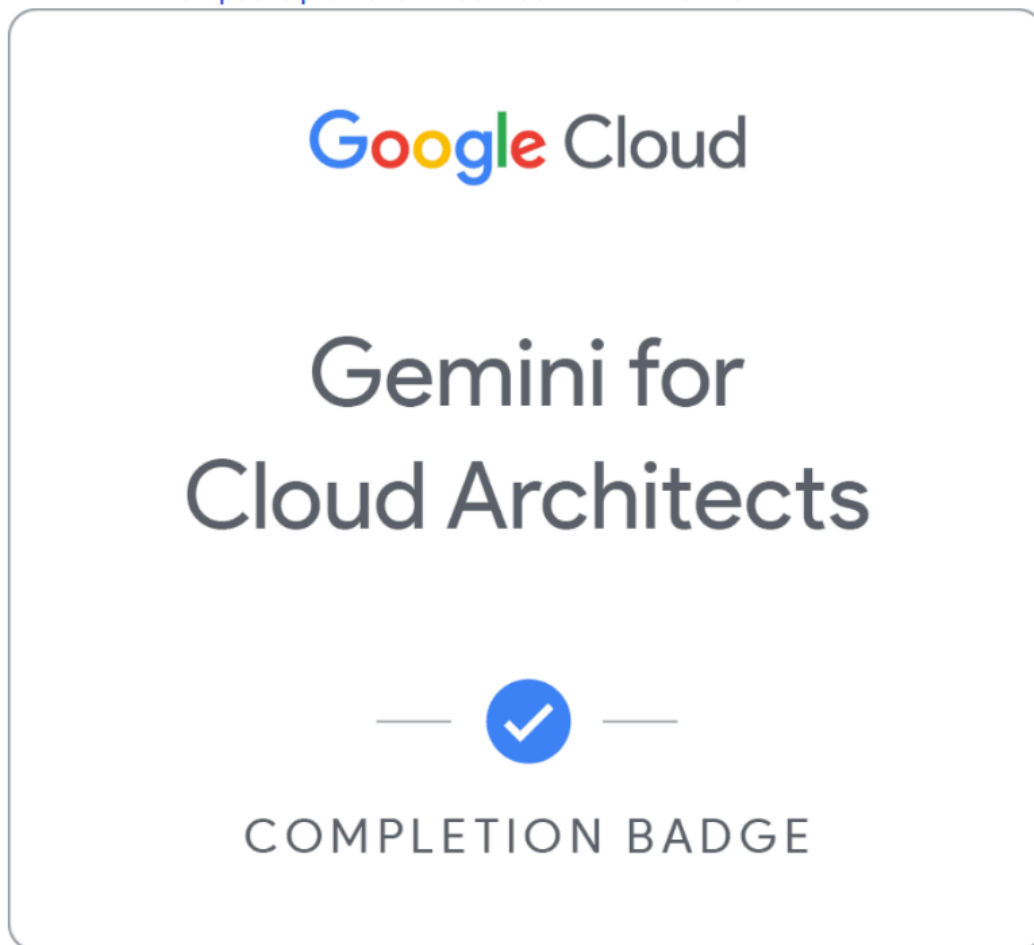
Sep 18, 2024

2. Gemini for Cloud Architects

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Gemini for Cloud Architects

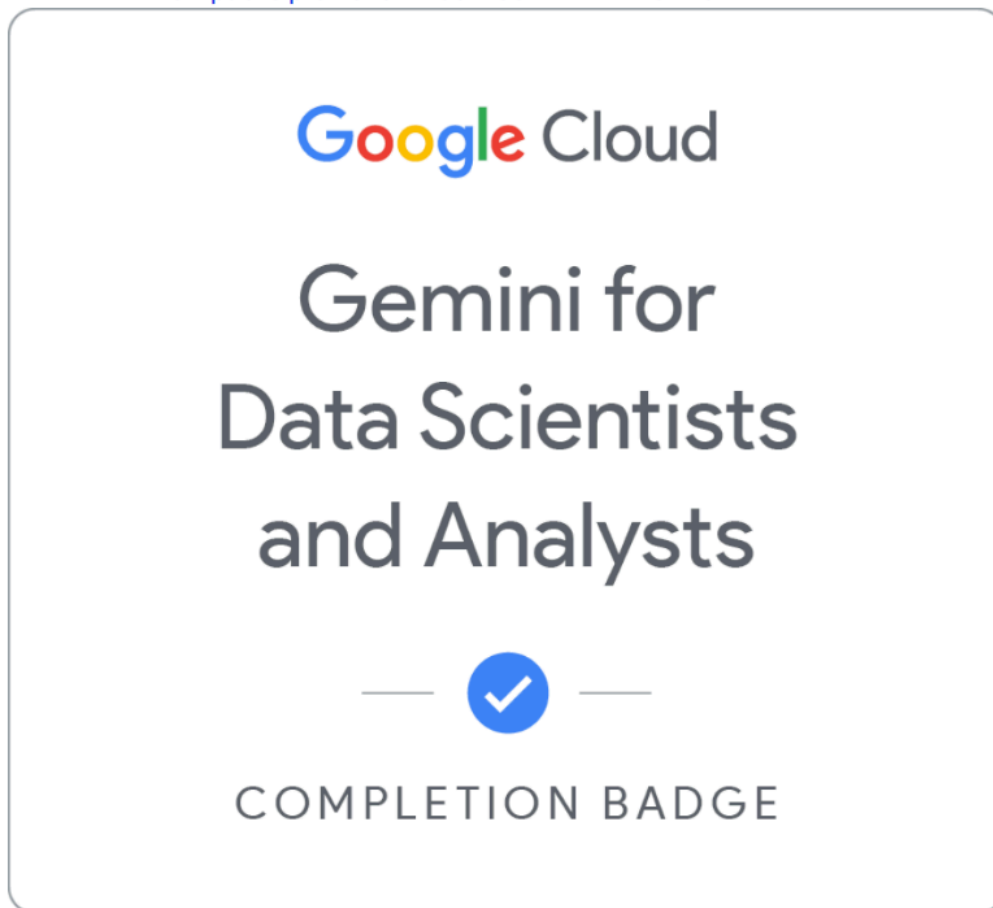
Sep 14, 2024

3. Gemini for Data Scientists and Analysts

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Gemini for Data Scientists and Analysts

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4. Gemini for Network Engineers

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Gemini for Network Engineers

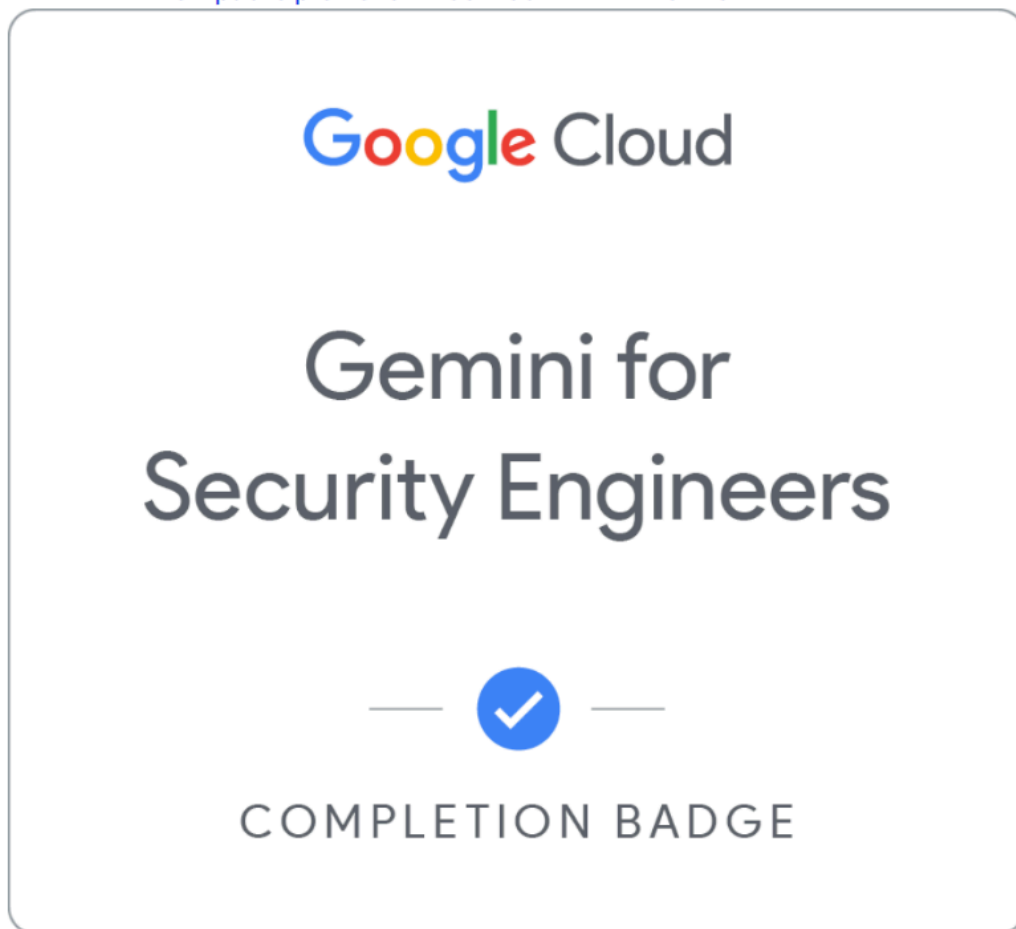
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5. Gemini for Security Engineers

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Gemini for Security Engineers

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6. Gemini for DevOps Engineers

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Gemini for DevOps Engineers

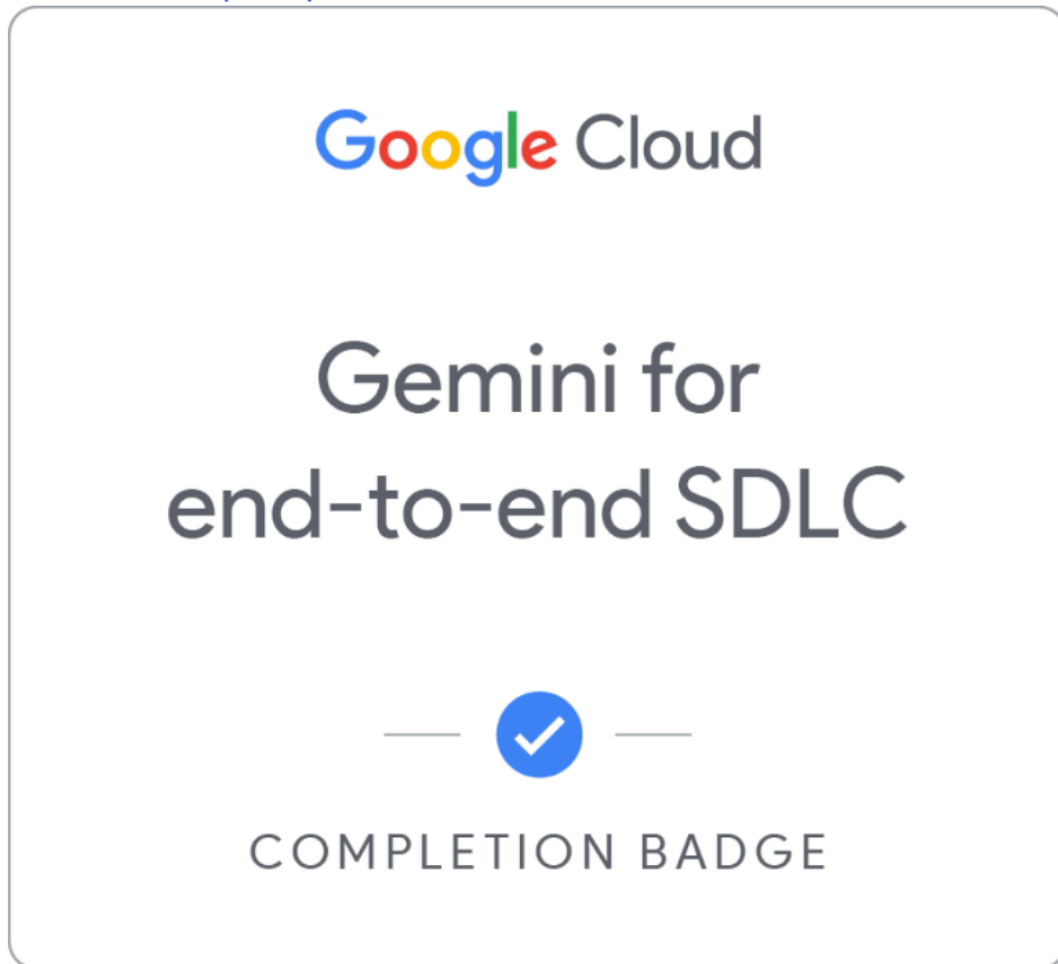
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7. Gemini for end-to-end SDLC

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Gemini for end-to-end SDLC

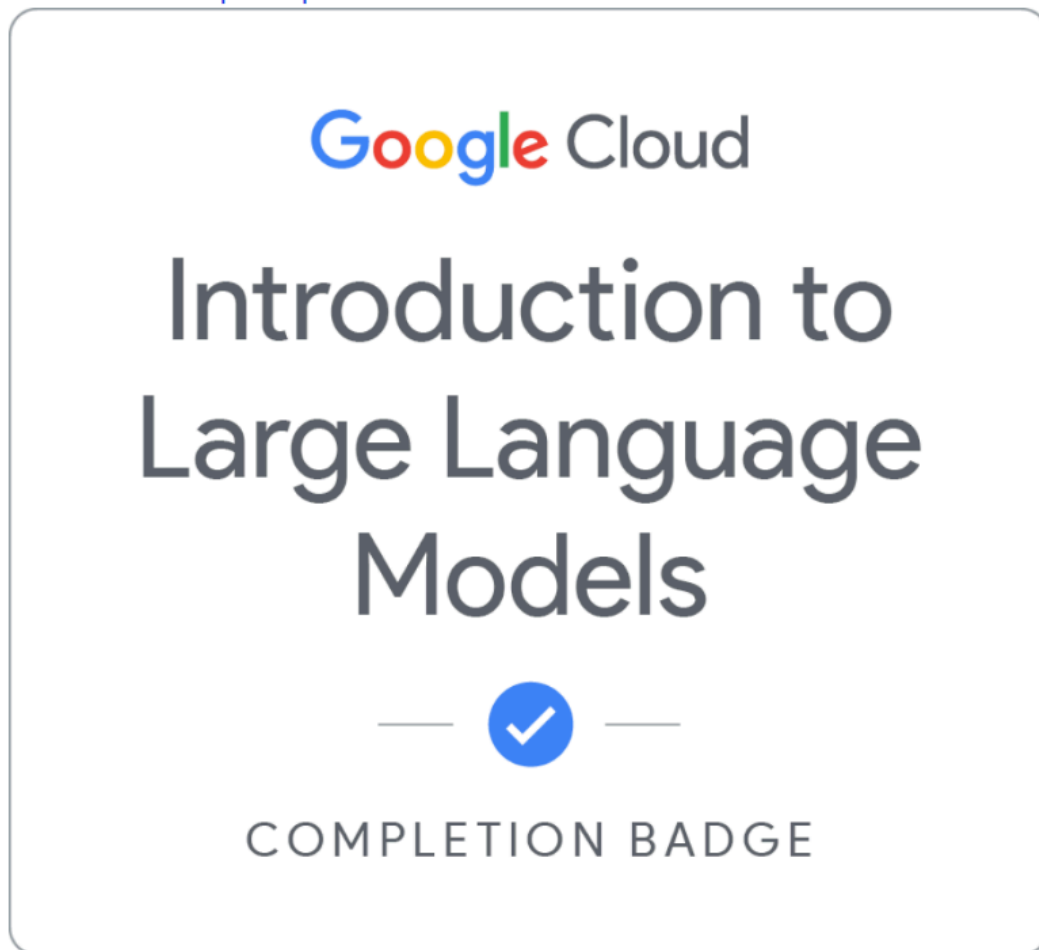
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8.Develop GenAI Apps with Gemini and Streamlit

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Introduction to Large Language Models

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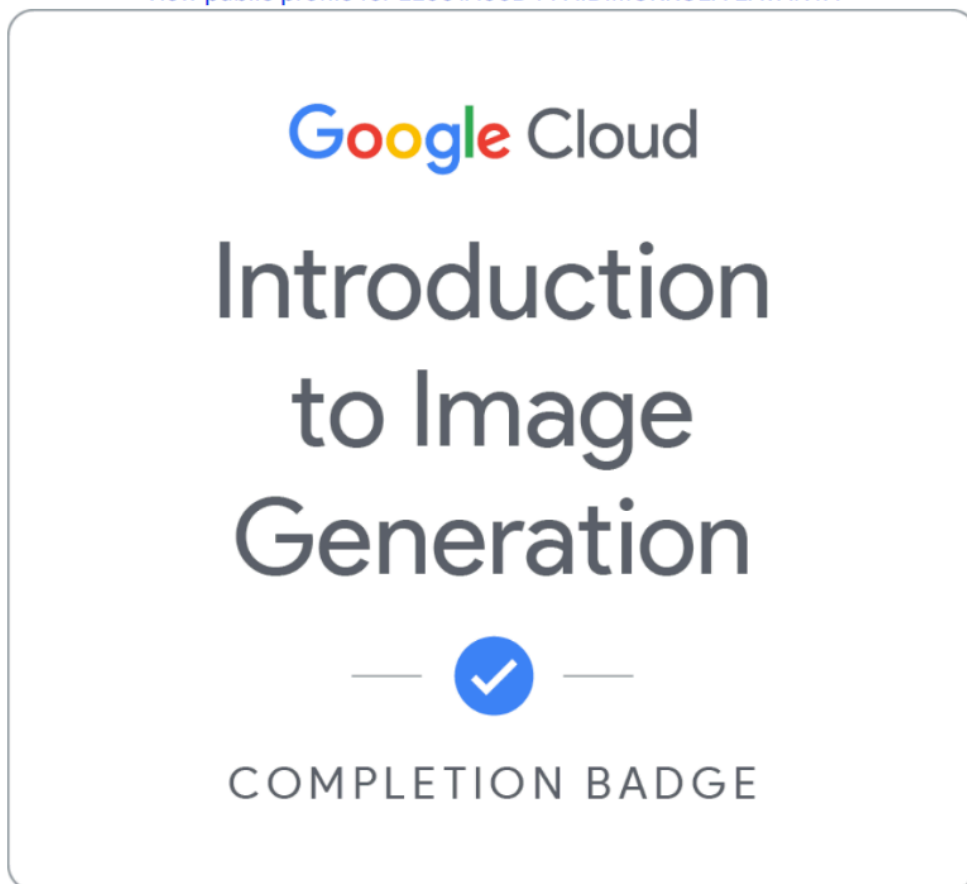
Advanced: Generative AI for Developers Learning Path

1.Introduction to Image Generation

https://www.cloudskillsboost.google/public_profiles/ba000f66-cac8-422a-b122-3d7dd53d73b1/badges/10634431

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Introduction to Image Generation

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2.Attention Mechanism

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Attention Mechanism

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3.Encoder-Decoder Architecture

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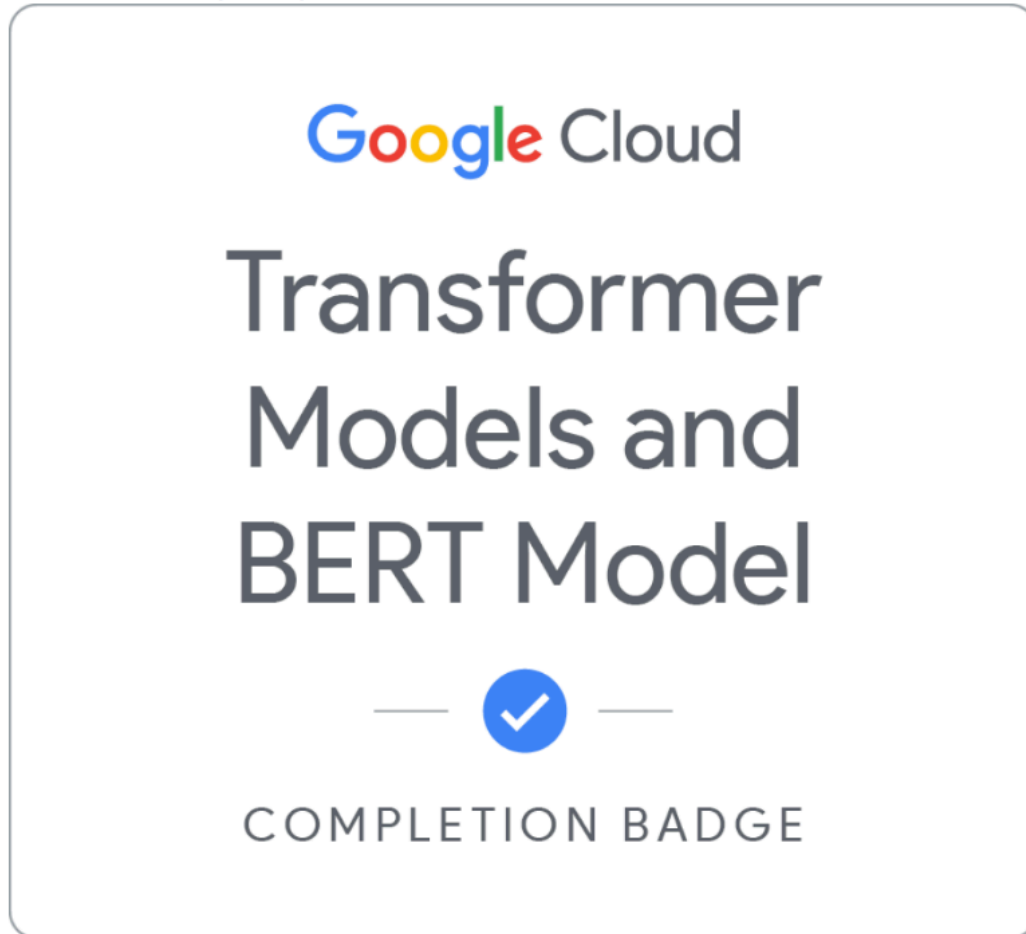
Encoder-Decoder Architecture
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4. Transformer Models and BERT Model

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Transformer Models and BERT Model

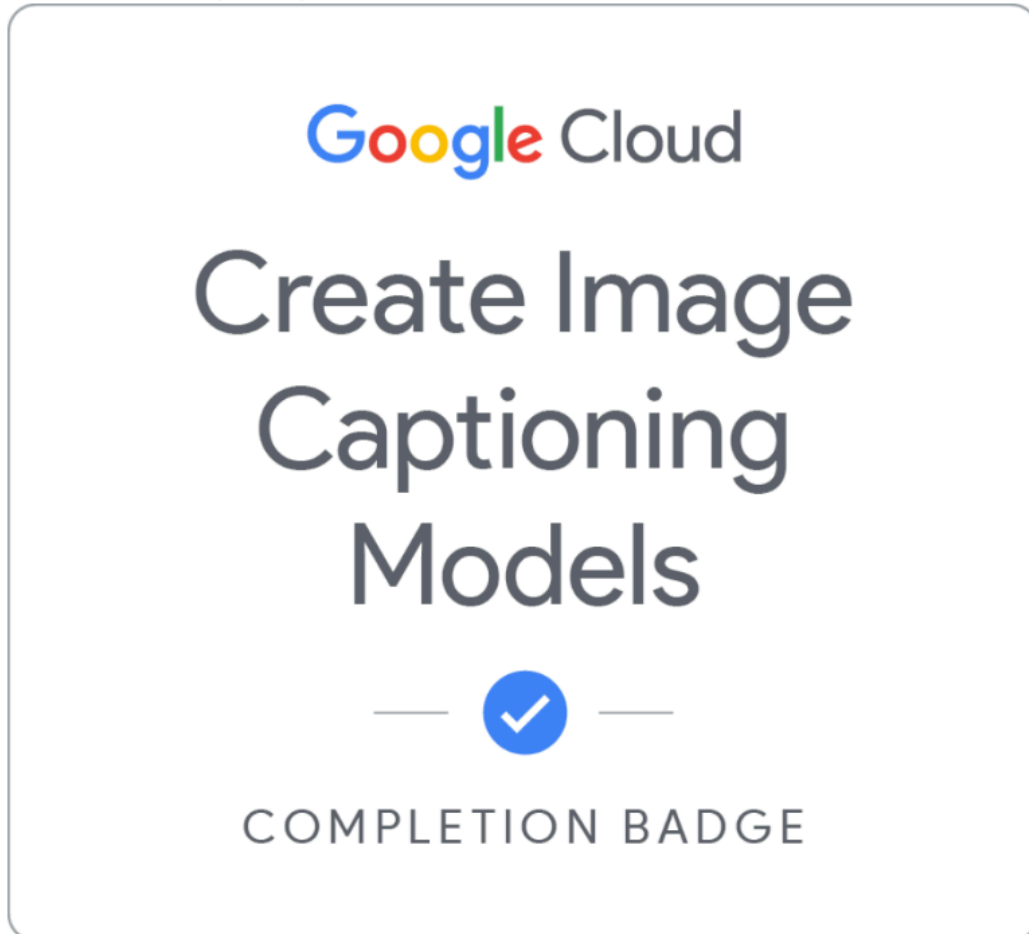
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5.Create Image Captioning Models

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Create Image Captioning Models

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6.Introduction to Vertex AI Studio

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Introduction to Vertex AI Studio



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Introduction to Vertex AI Studio

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7.Vector Search and Embeddings

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Vector Search and Embeddings

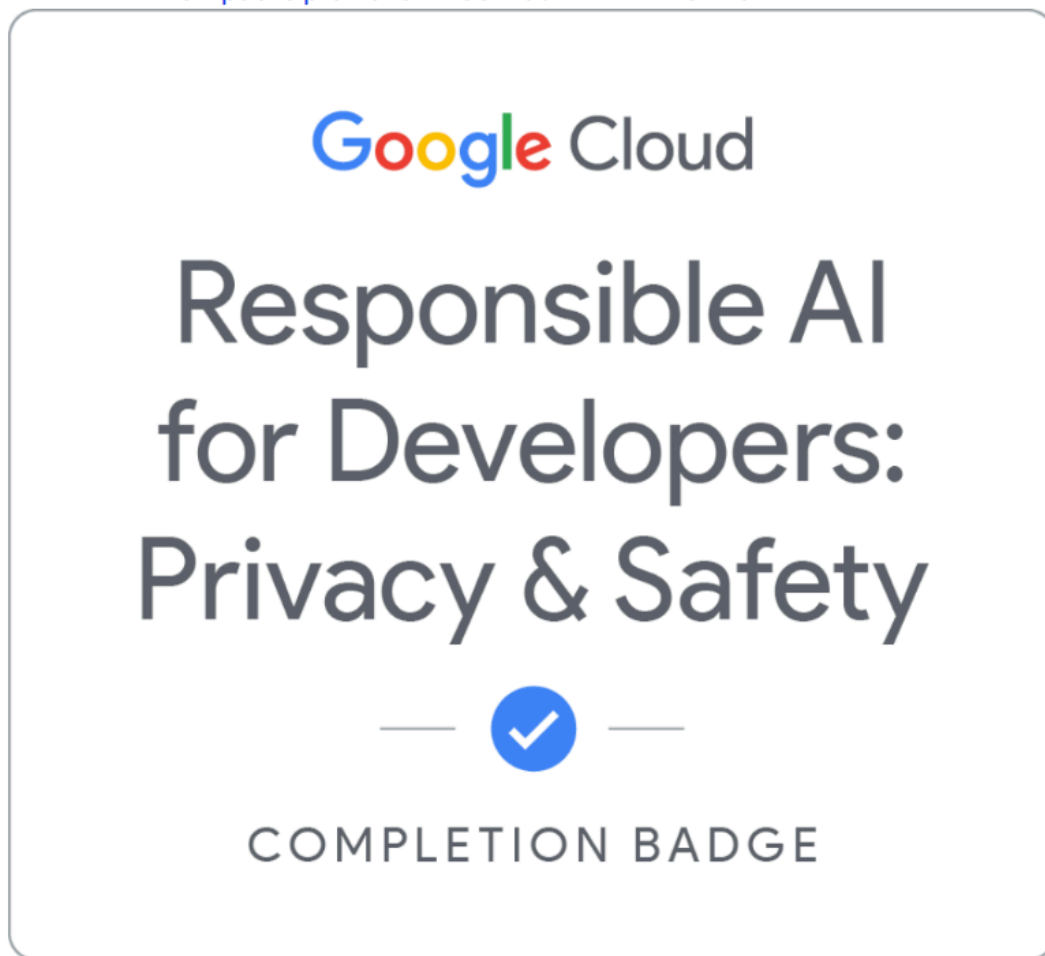
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8. Responsible AI for Developers: Privacy & Safety

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Responsible AI for Developers: Privacy & Safety

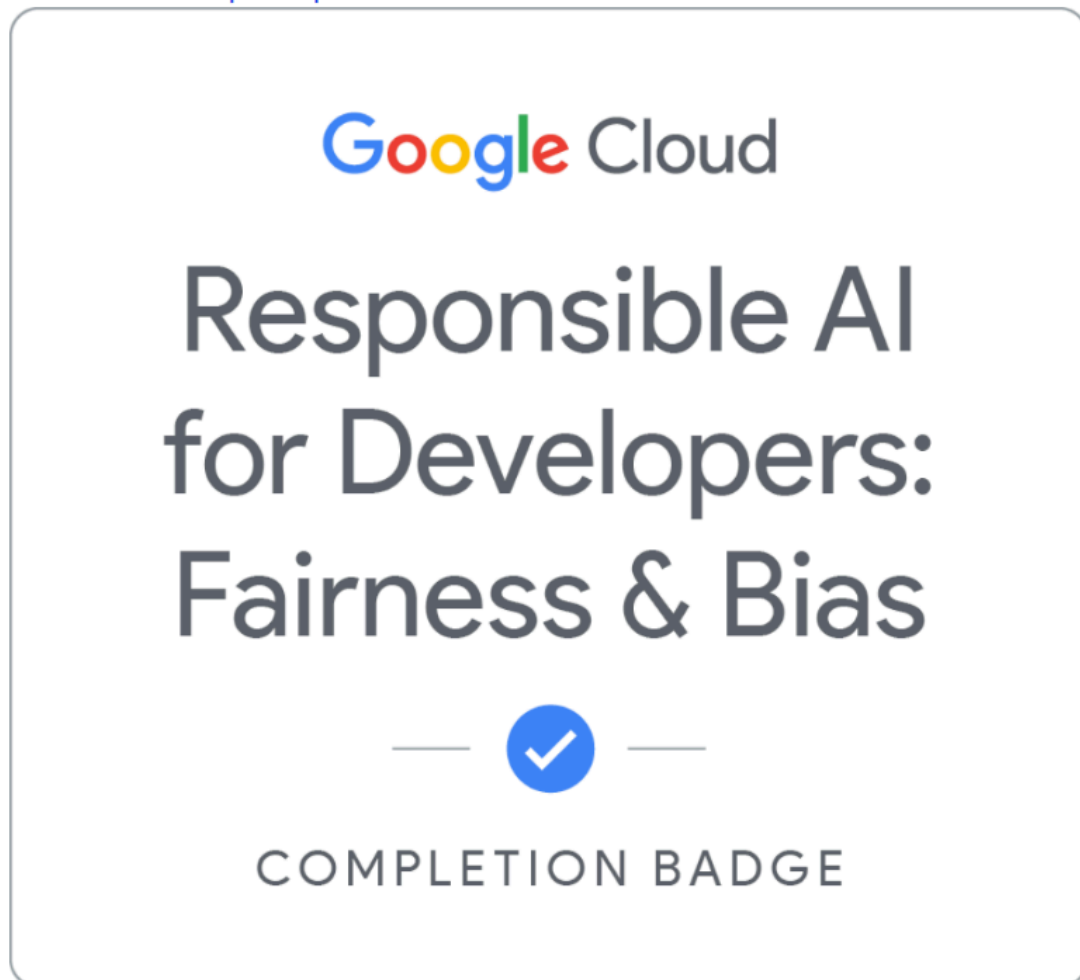
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9. Responsible AI for Developers: Fairness & Bias

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Responsible AI for Developers: Fairness & Bias

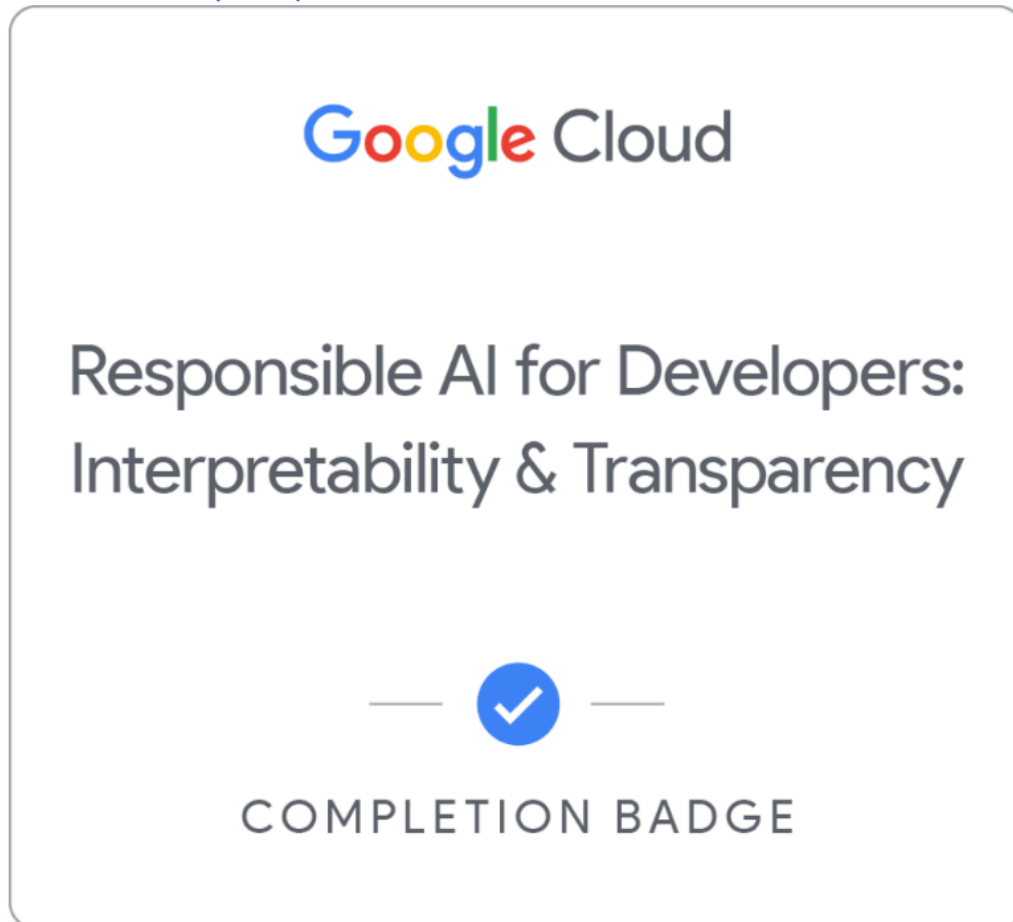
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10.Responsible AI for Developers: Interpretability & Transparency

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Responsible AI for Developers: Interpretability & Transparency

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11. Machine Learning Operations (MLOps) for Generative AI

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Machine Learning Operations (MLOps) for Generative AI
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