

**PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF  
TECHNOLOGY**

**Department of Computer Science & Engineering**

**ASSIGNMENT -1 & 2**

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

|  |                                   |                                  |
|--|-----------------------------------|----------------------------------|
| <b>NAME OF THE CERTIFICATION :</b>                             | <b>Google GenAI Certification</b> |                                  |
| <b>STUDENT FULL NAME:</b>                                      | <b>Singipurapu Uday Bhaskar</b>   |                                  |
| <b>STUDENT REGISTRATION NUMBER:</b>                            | <b>22501A05G9</b>                 |                                  |
| <b>COURSE:</b>   | <b>B. Tech</b>                    |                                  |
| <b>YEAR / SEM / GROUP</b>                                      | <b>III-I , G3</b>                 |                                  |
| <b>COURSE NAME:</b><br><b>Professional Elective Course - I</b> | <b>ARTIFICIAL INTELLIGENCE</b>    |                                  |
| <b>COURSE CODE:</b>  | <b>20CS4501D</b>                  |                                  |
| <b>ACADEMIC YEAR:</b>  | <b>2024-25</b>                    |                                  |
| <b>DATE OF SUBMISSION:</b>                                     |                                   |                                  |
| <b>SIGNATURE OF STUDENT:</b>                                   |                                   |                                  |
| <b>MARKS ALLOTTED:</b>   | <b>Assignment-1</b><br><b>/5</b>  | <b>Assignment-2</b><br><b>/5</b> |
| <b>NAME AND SIGNATURE OF COURSE COORDINATOR:</b>               | <b>Mr. A. Prashant</b>            |                                  |

## Beginner: Introduction to Generative AI Learning Path

1. Introduction to Generative AI

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**Introduction to  
Generative AI**



COMPLETION BADGE

2. Introduction to Large Language Models

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# Introduction to Large Language Models



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# Introduction to Responsible AI

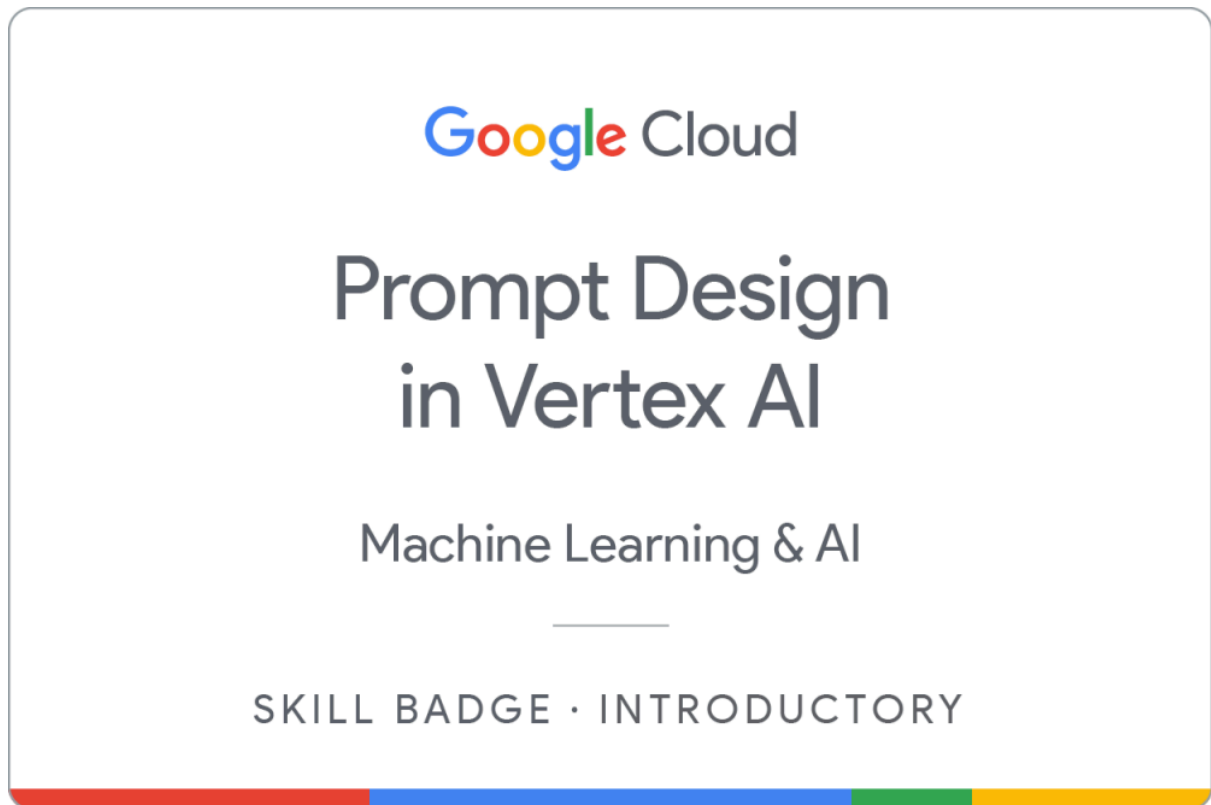


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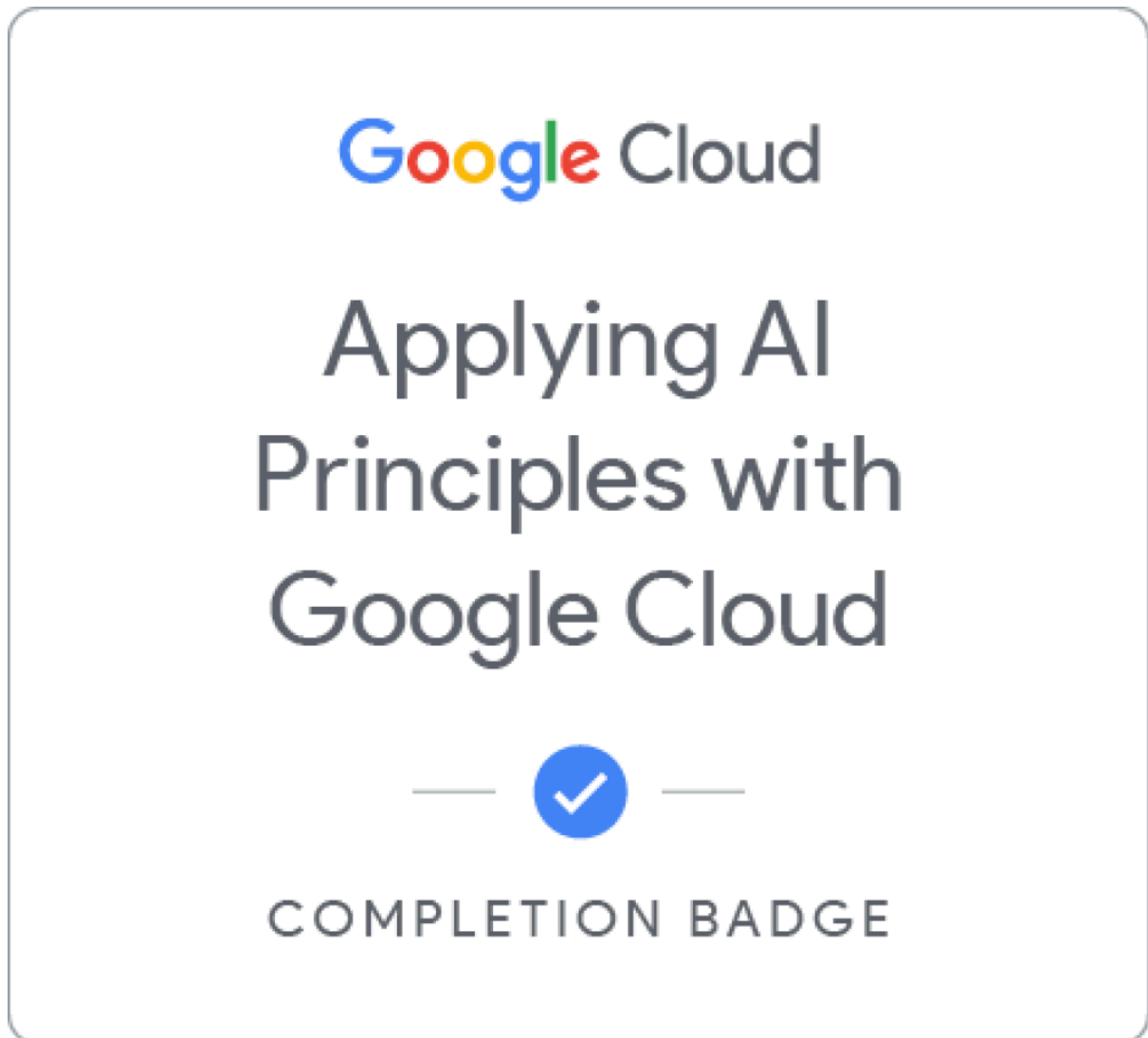
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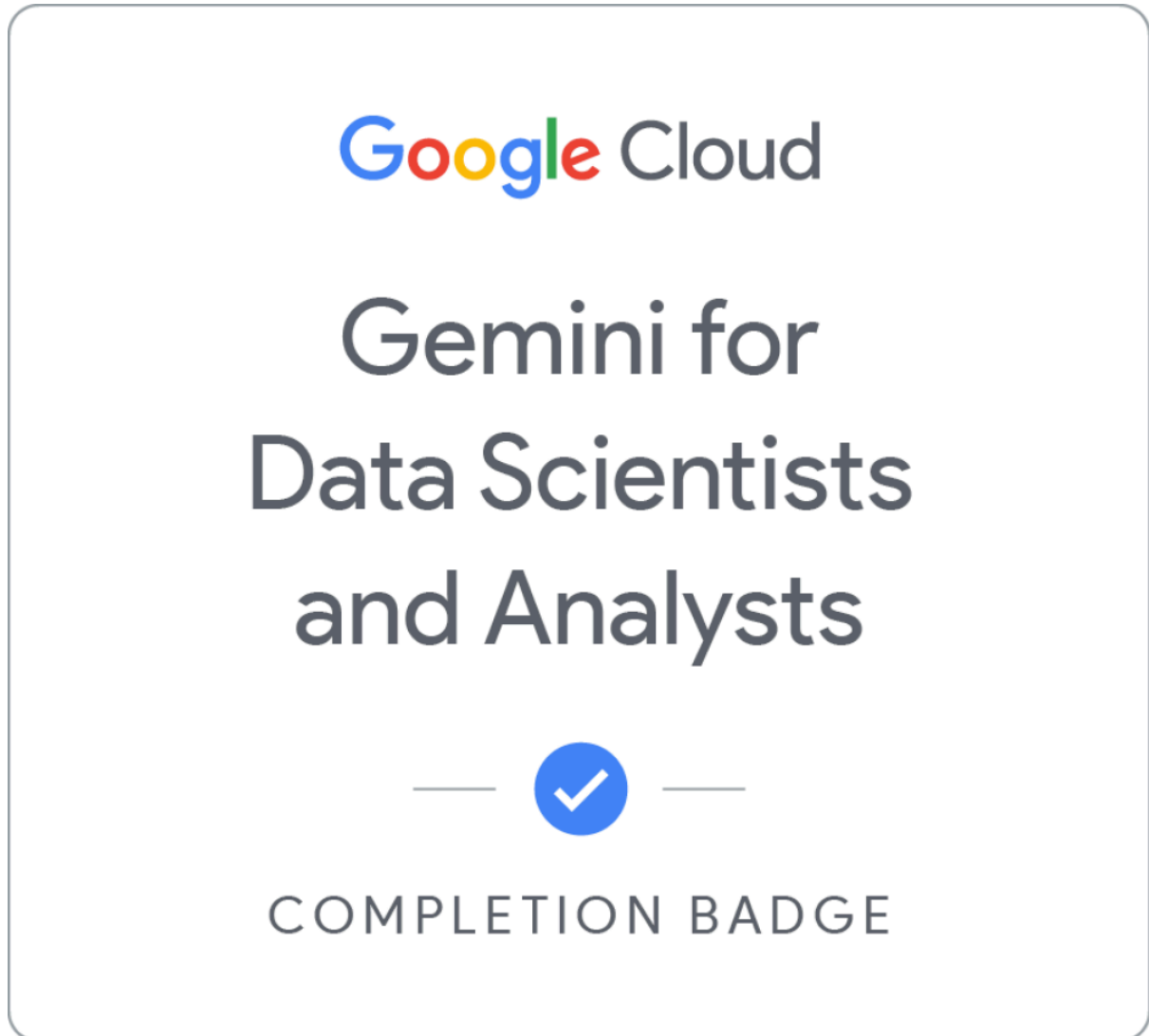




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# Gemini for Network Engineers



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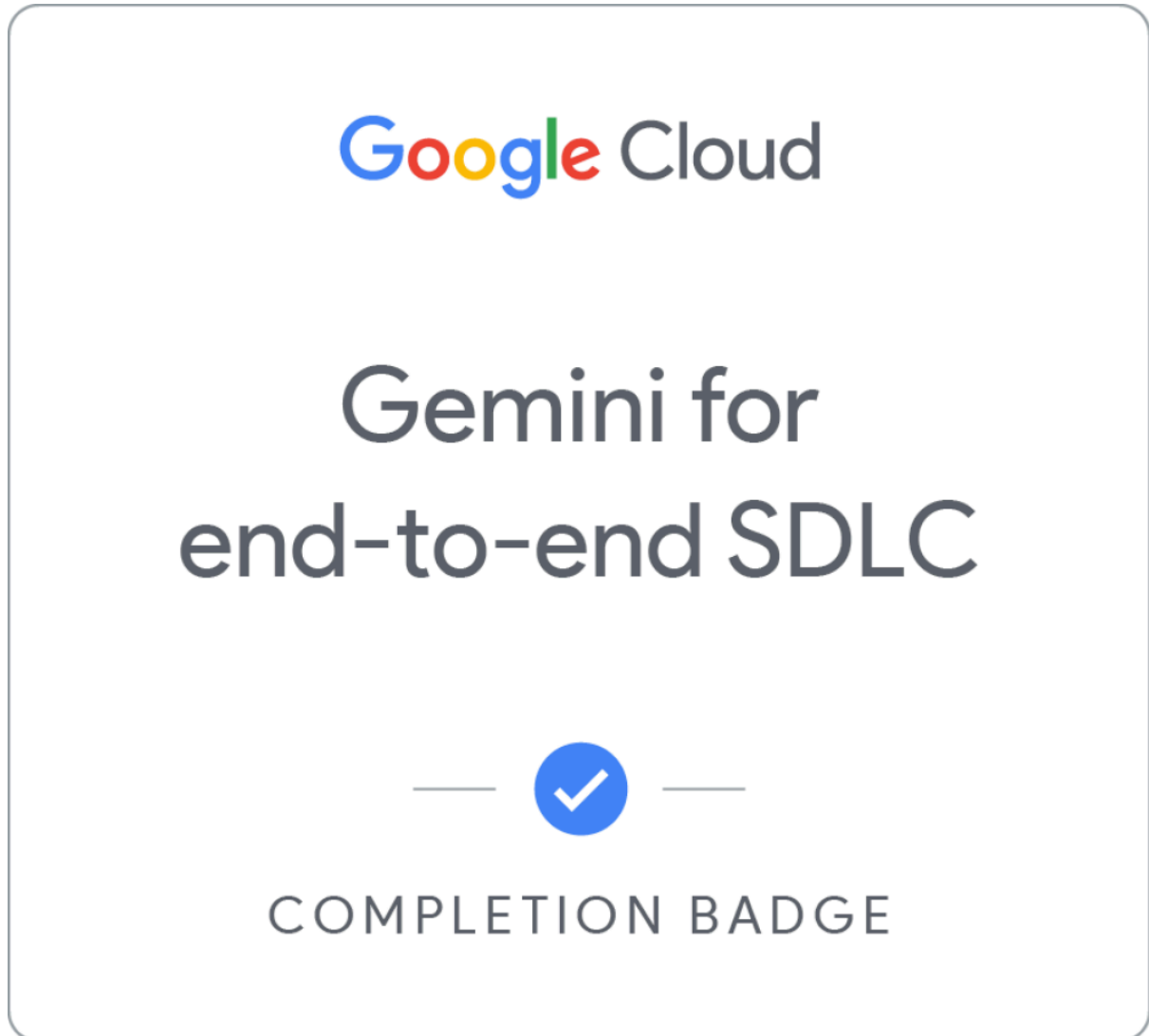
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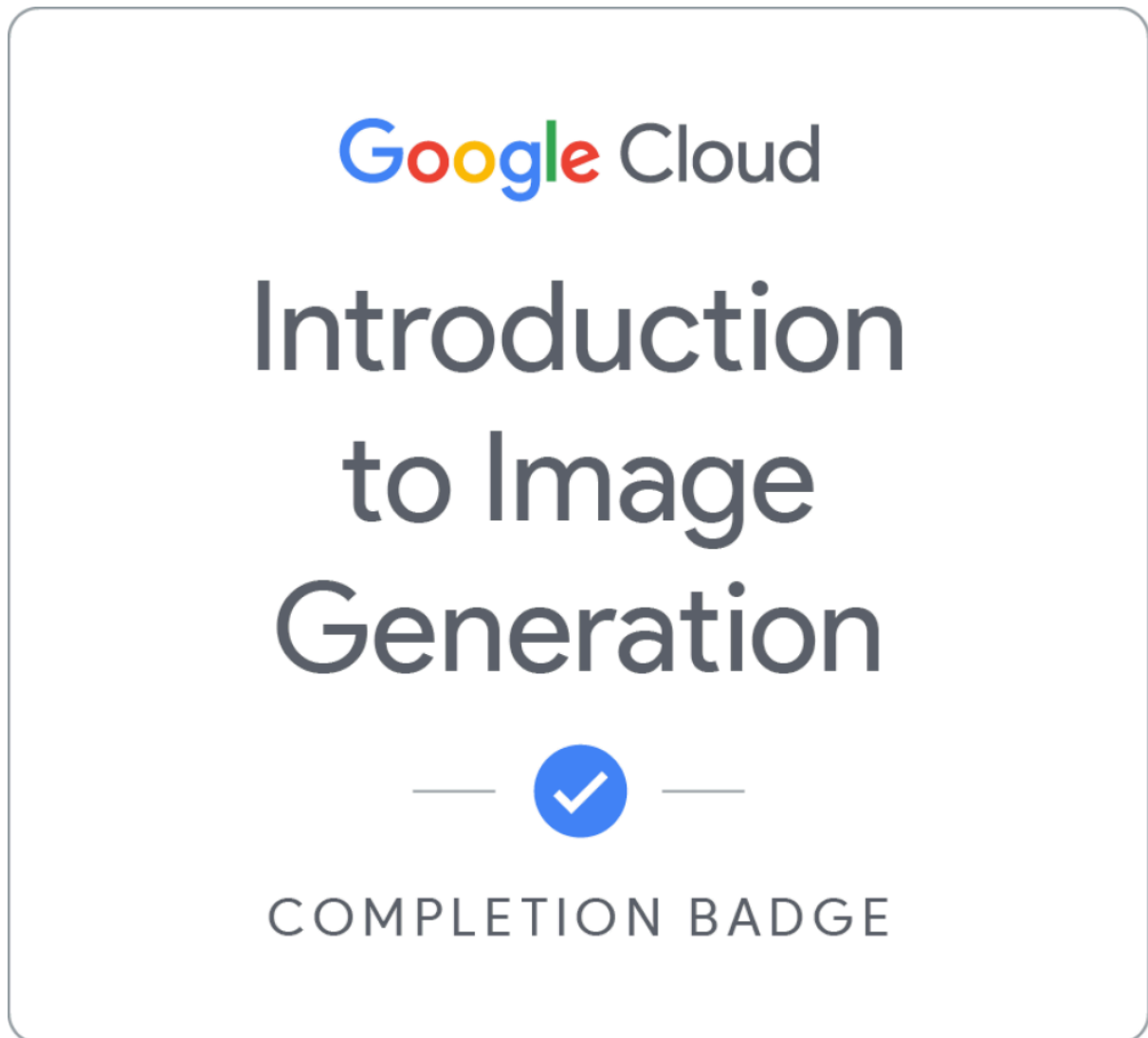


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# Encoder-Decoder Architecture



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# Transformer Models and BERT Model

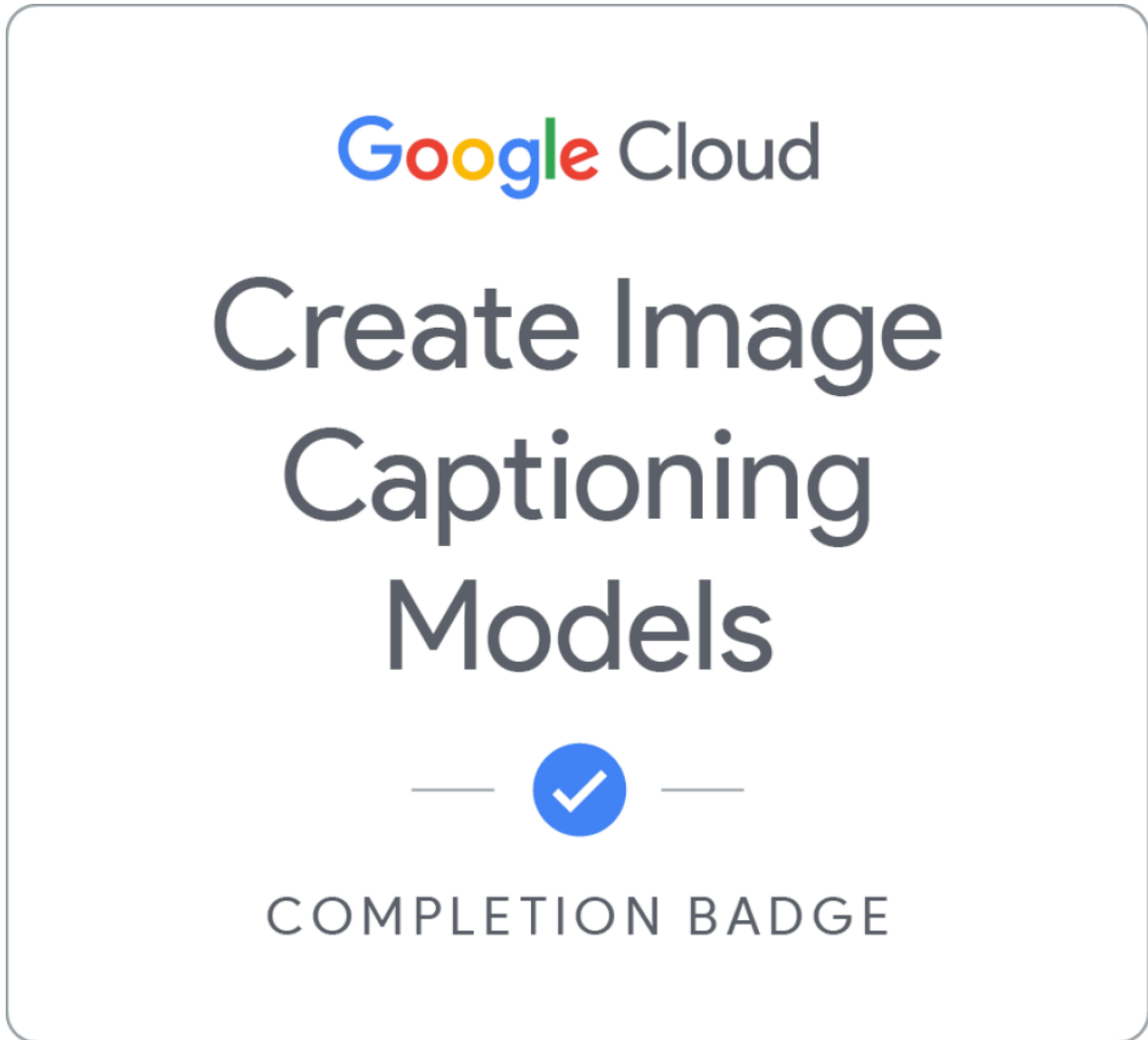


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# Introduction to Vertex AI Studio



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# Vector Search and Embeddings



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# Responsible AI for Developers: Fairness & Bias



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Responsible AI for Developers:  
Interpretability & Transparency



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# Machine Learning Operations (MLOps) for Generative AI



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