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Lesson 1:
Machine Learning Engineer Capsto...

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Project Overview

SEARCH

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OPEN CLOUD GATEWAY

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RESOURCES

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CONCEPTS

✓ 1. Project Overview

● 2. Software & Data Requirements

● 3. Possible Projects

● 4. Bertelsmann/Arvato Project Overv...

● 5. Arvato: Terms and Conditions

● 6. Bertelsmann/Arvato Project Work...

● 7. Starbucks Project Overview

● 8. Starbucks Project Workspace

● 9. CNN Project: Dog Breed Classifier

● 10. Dog Project Workspace

● 11. Selecting One Project

Build Your Machine Learning Project

In this capstone project, you will leverage what you've learned throughout the machine learning engineer project of your choosing. Your project deliverables include:

1. A Github repository of your work.

2. A blog post written for a technical audience, or a deployed web application

In this capstone project, you will leverage what you've learned throughout the project to solve a problem of your choice.

1. You will first **define** the problem you want to solve and investigate potential solutions.

2. Next, you will **analyze** the problem through visualizations and data exploration to gain a better understanding of what algorithms and features are appropriate for solving the problem.

3. You will then **implement** your algorithms and metrics of choice, document your process, refine, and post-processing steps along the way.

4. Afterwards, you will collect **results** about your findings, visualize significant findings, validate/justify your results, and make any concluding remarks about whether your implementation adequately solves the problem.

5. Finally, you will **construct** a blog post to document all of the steps from start to finish, or deploy your results into a web application.

Setting Yourself Apart

An important part of landing a job or advancing your career as a machine learning engineer is setting yourself apart through impressive projects. By now, you've completed several projects, and now's your chance to show off your skills and creativity. You'll receive a review from your Udacity mentor, and they will focus on how your project demonstrates your skills.

This project is designed to prepare you for delivering a polished, end-to-end solution to a real-world problem in a field of interest. When developing new technology, or deriving new insights from previous technology, properly documenting your process is critical for both validating your results and communicating them to others.

Things you will learn by completing this project:

• How to research and investigate a real-world problem of interest.

• How to accurately apply specific data science algorithms and techniques.

• How to properly analyze and visualize your data and results for validity.

• How to document and write a report of your work.