

Meets Specifications

Hi,

The proposal shows that you have thought out your approach clearly and have the required skills and knowledge to execute the project successfully. If you need any help in the implementation or otherwise, feel free to reach out to us on the knowledge platform. Make sure that you follow the [capstone template](#) when writing the report and do include the proposal and the link of this review when you are submitting. Good luck!

Project Proposal

Student clearly describes the problem that is to be solved. The problem is well defined and has at least one relevant potential solution. Additionally, the problem is quantifiable, measurable, and replicable.

The problem statement should discuss the type of machine learning problem at hand (eg: classification, regression, etc.) and be defined in machine learning terms. Eg:

This is a classification (or any other machine learning task like regression, unsupervised learning, etc.) problem where the model takes X as input and produces the expected output Y.

Student briefly details background information of the domain from which the project is proposed. Historical information relevant to the project should be included. It should be clear how or why a problem in the domain

can or should be solved. Related academic research should be appropriately cited. A discussion of the student's personal motivation for investigating a particular problem in the domain is encouraged but not required.

Good work giving a compelling overview of the project and including the past work done on the topic.

Student clearly describes a solution to the problem. The solution is applicable to the project domain and appropriate for the dataset(s) or input(s) given. Additionally, the solution is quantifiable, measurable, and replicable.

The expected output and the solution path are described with the required detail and it is applicable for the stated problem.

Student proposes at least one evaluation metric that can be used to quantify the performance of both the benchmark model and the solution model presented. The evaluation metric(s) proposed are appropriate given the context of the data, the problem statement, and the intended solution.

You should also consider a metric that would be used to evaluate the performance of the machine learning model (eg: RMSE).

A benchmark model is provided that relates to the domain, problem statement, and intended solution. Ideally, the student's benchmark model provides context for existing methods or known information in the domain

and problem given, which can then be objectively compared to the student's solution. The benchmark model is clearly defined and measurable.

The benchmark model is a good choice as a threshold for comparing the final results against.

The dataset(s) and/or input(s) to be used in the project are thoroughly described. Information such as how the dataset or input is (was) obtained, and the characteristics of the dataset or input, should be included. It

should be clear how the dataset(s) or input(s) will be used in the project and whether their use is appropriate given the context of the problem.

The dataset origin has been mentioned here, but you can add more detail by discussing important characteristics, abnormalities and the features of the dataset. You can also include a sample of the data and some descriptive

statistics. It should be made clear that you have understood the data and how it will be utilized to arrive at the expected solution.

Student summarizes a theoretical workflow for approaching a solution given the problem. A discussion is made as to what strategies may be employed, what analysis of the data might be required, or which

algorithms will be considered. The workflow and discussion provided align with the qualities of the project.

Small visualizations, pseudocode, or diagrams are encouraged but not required.

Great work detailing the roadmap which you plan to follow for this project. The workflow seems to be clearly thought out and appropriate techniques have been proposed at each step to obtain the desired results.

The proposal follows a well-organized structure and would be readily understood by its intended audience.

Each section is written in a clear, concise and specific manner. Few grammatical and spelling mistakes are present. All resources used and referenced are properly cited.

The proposal is well structured and easy to read. All the sources are cited and referenced.