

Loke Git Yan

Thank you for participating in AI Singapore's technical assessment as part of the AI Apprenticeship Programme.

Upon thorough review of your code and responses to the criteria of the assessment, it was determined that there are some areas which would benefit from some further development and refinement. To help you improve your technical abilities and performance for future assessments, listed below are some of the areas, with relevant resources for your reference.

Error handling and data cleansing are pivotal skills required for any AI engineer working with real-world data teams. Ensure to handle missing values, duplication and erroneous data points matters correctly before moving into the model building phase. Consider practices such as data imputation, removing/repairing duplicate and erroneous data.

Relevant Resources: Refer to chapters on 'Data Wrangling' and 'Data Preprocessing' in AIAP field guide V4 for comprehensive understanding. Discussions and key concepts under 'SECTION 3: MACHINE LEARNING' can also be referenced.

Exploratory Data Analysis is a vital step to understand underlying patterns, assumptions and potential hitches of the data. Visualisation could be improved with more meaningful plots, statistical analysis, and insights must be drawn from the analysis which can add value in the modeling step.

Relevant Resources: In the AIAP field guide V4, explore the chapters on 'Visualizing Data', 'Understanding Statistics and Machine Learning Fundamentals with StatQuest', and 'Machine Learning Crash Course by Google'.

Your code should be designed in a way that promotes reusability, placing importance on modularity and function use. Opt for a clean, consistent coding style that increases readability and comprehension for others. Make sure to provide sufficient comments and explanations to demonstrate your understanding of the task at hand and the approaches you are taking to solve it.

Relevant Resources: Refer to the software engineering related sections under 'SECTION 1: FUNDAMENTALS' in AIAP field guide, particularly those on 'Code Versioning' and 'Software Testing and Debugging'.

We appreciate your understanding that it's not about the right or wrong answer, but about critical thinking, approach to problem-solving, proficiency in AI technical domains. We would be more than delighted to consider your application again once you have further honed your skills.

We wish you the best of success in your endeavours and are confident that with continued practice and dedicated learning, you would see substantial improvement. Remember, AI expertise is a journey, not a destination!