Model Development Phase Template

Date	28 November 2024
Team ID	739771
Project Title	Deep Fruit Veg: Automated Fruit And Veg Identification
Maximum Marks	5 Marks

Model Selection Report

In the model selection report for future deep learning and computer vision projects, various architectures, such as CNNs or RNNs, will be evaluated. Factors such as performance, complexity, and computational requirements will be considered to determine the most suitable model for the task at hand.

Model Selection Report:

Model	Description
Model 1: EfficientNetB3	**EfficientNetB3** is a scaled version of the EfficientNet architecture, which is optimized for high performance while maintaining computational efficiency. It balances depth, width, and resolution, making it ideal for tasks requiring robust performance and efficiency.
Model 2: Adamax Optimizer	The **Adamax optimizer** is a variant of the Adam optimizer, which is based on the infinity norm. It is particularly suited for models with sparse gradients or when dealing with noisy data. In your project, it is used for fine-tuning the learning rate to enhance convergence.