**Project proposal**

Farmers who grow potatoes are facing a lot of economic losses every year because of various diseases that can happen to a potato plant. There are two common diseases knowns as early blight and late blight. Early blight is caused by fungus and late blight is caused by a specific microorganism and if a farmer can detect these early and apply appropriate treatment then it can save a lot of waste and prevent the economic loss. The treatment for the early blight and late blight are a little different so its important that you accurately identify what kind of disease is there in that potato plant. Atliq agriculture is an AI company that happens to solve problems in agriculture domain and that company has taken this project and they have built an application which they can give it to a farmer. And farmer all they need to do is go to their farm and just take a picture of plant and the application will tell them whether the potatos plant is healthy or it has one of these diseases and behind the scene it will be using deep learning and convolutional neural networks. We are going to build an application that will resemble to this project.

**Git hub link:**

The link to access our project is:

https://github.com/Muhammad-Ahtasham/DNNProjectSem05

**Requirements:**

* + - Tensor flow
    - Neural Networks
    - Data Augmentation
    - Tf dataset

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