Introduction: Hello everyone,
My name is K.Divya
This is my guided project from SmartInternz platform. The title of the project is "Transfer Learning-Based Classification Of Poultry Diseases For Enhanced Diagnosis".
Project Overview: The Poultry Disease Classification System is a deep learning application designed to help diagnose poultry diseases accurately and efficiently. By leveraging transfer learning techniques and pre-trained models, this solution provides an effective way to classify images of poultry diseases, enabling early detection and treatment.
Tools and Technologies: I used Python programming language, along with libraries like TensorFlow, Keras, and OpenCV. I utilized pre-trained models like VGG16 or ResNet50 to build the classification model.
Code Walkthrough: Now, I will show the code. First, I imported all necessary libraries. Then, I loaded the dataset of poultry disease images. I preprocessed the images and applied data augmentation techniques. After that, I fine-tuned the pre-trained model using the training data. Then, I trained the model using the training dataset. Now, I am running the model… (Now Press “Run” button show the output on screen) As you can see, the model is accurately classifying poultry diseases, achieving high accuracy and precision.
Conclusion: This model helps in diagnosing poultry diseases efficiently and can assist veterinarians in early detection and treatment. The use of transfer learning enables the model to leverage pre-trained knowledge and adapt to the specific task of poultry disease classification.
Thank you SmartInternz and mentors for this opportunity. Thanks for watching!