Image Classification Task for ML Internship 2023

Task - Your task is to train a ML model on the EuroSAT land cover classification dataset.

Dataset link- Dataset. The dataset contains 64x64 RGB images from Sentinel-2. You can find references to the dataset here - https://github.com/phelber/EuroSAT

Deliverables -

1. Training [***Jupyter notebook***]: Include all steps from loading the dataset, to saving the model and evaluation metrics.
2. Inference [***Jupyter notebook***]: Notebook to perform inference, generate and save classification results. Use 20 sample images from the dataset.
3. Constraints of the current solution [***200 words***] (use bullet points) + Potential improvements to the solution [***200 words***] (use bullet points). Add these to the README of your github repository.

Additional instructions -

1. Development is to be done using Python. All frameworks/libraries are accepted.
2. Model architecture - You are free to choose any architecture.
3. Model performance is not the primary judging criterion, rather the overall inferences, presentation and structure of the notebooks is important. Your insights into your decision choices is more important than model accuracy.

Submission - Host your submission on a public github repository and send the link to recruitment@spacesense.ai.

Timeline - Your deadline for this task is **10th March 2023, 23:59 CET**. Any submissions after this deadline will not be considered.