

# TASK 3

## SATELLITE DEFORESTATION

### DATASET PREPROCESSING STEPS.

- 1-LOAD DATASET AND Extracted patches AND LABELL DISTRIBUTION
- 2-LOAD MODULES.

### MODEL SELECTION AND RATIONALE.

- 1-USED CNN(Conv2D, MaxPooling2D, Flatten, Dense, Dropout, BatchNormalization)
- 2-TRAINING AND TESTING

### CHALLENGES FACED

- 1-TRAINING OF DATA BECAUSE IT TOOK TOO MUCH TIME
- 2-visualization results

### SOLUTION

- 1-TO DIVIDE PROBLEM INTO STEP BY STEP BUT TIME-TAKING
- 2-USED ARTICLES AND HELP WITH AI TO CONFIGURE THESE PROBLEMS

### RESULTS WITH VISUALIZE

- 1-RESULTS OF DIFFERENT MODELS

