UmedMi AI Task
Documentation

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Tasks

1. U Intern task

2. Digit Recognizer

3. Fake and Real news

Task1: U Intern task

Given several problems made me ease using python language
- Used tools like 'tkniter' for building the GUI of the calculator.
- Learned how to measure running time using the 'Timer' library.
- Learned how to calculate the character frequency of the string.
- Became more familiar with using the NumPy library.

Task2: Digit Recognizer

[Computer Vision - Multi Classification]

It is to identify digits from a dataset of tens of thousands of handwritten images called MNIST using a sequential model with accuracy 94%. Used normalization, splitting the dataset, epoch, dividing the data to batch size, and adding dense layers. All of these helped me to increase accuracy.

Task3: Fake and Real News

[Natural Language Processing]

It is to detect if the news is fake or not using a dataset from Kaggle. The hardest part of this task is cleaning the data to be used for training and validation. Used the RandomForestClassifier model and got accuracy 99%.