Task 1. Natural Language Processing. Named entity recognition
IMPROVMENTS

Of the major possible improvements to the NER model, it is worth highlighting such as:

- *Using better quality data:*
  Expanding and improving the labelled dataset so that the model is trained on a larger and more diverse amount of data.
  Pay attention to the variety of text styles and contexts in which mountains are mentioned. That is, create a broader version of the context for mentioning the name of a mountain.

- *Versatility and flexibility:*
  A model capable of handling multiple languages can be applied in different contexts and for different language communities without the need to train a separate model for each language.

- *Data augmentation techniques:*
  Applying data augmentation techniques to increase the diversity of the training dataset. For example, using synonyms or changing sentence structure.

- *Better tuning of hyperparameters:*
  Optimising model hyperparameters such as learning rate, batch size, number of training epochs and other parameters to achieve better results.

- *Use of model ensembles:*
  Combining multiple NER models or approaches to improve model accuracy and stability.

Conclusion:

So, the NER model developed for recognizing mountain names in texts has performed well, this is great. However, the given recommendations for improving the model can be extremely useful for further improvement and extending its functionality.