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Batch code: LISP01

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Submitted to: <https://github.com/SuvanshVaid27/Machine-Learning-App>

Methodology Adopted:

Heroku has been used for cloud deployment of the web application created using the Streamlit API.

Application Use:

The web application is a simple machine learning app where random forest is trained on an uploaded dataset and then predictions are performed on the data. There are a lot of options given to the user for hyperparameter tuning.

Steps of Deployment:

1. First of all, a python file `app.py` was created which contains all the application code for the Web app.
2. After creating the python file, a `requirements.txt` file is created which would make the libraries in this project available to the Heroku platform.
3. After this, a `procfile` is created and all these files are uploaded to GitHub.
4. Finally, the Heroku platform allows a github repository to be deployed on cloud in the form of a web application.

Heroku App link: <https://ml-app27.herokuapp.com/>