## Model deployment

To deploy a final model we used the flask framework development techniques to design the artifacts for deploying purposes. Flask is a web development framework written in Python. We saved the model .pkl file extension and this saved model was directly accessed by the Flask framework in the HTML interface and we also host the model on the Heroku platform to access the model directly by end-users. There are four main types of cloud computing services: Infrastructure-as-a-Service (IaaS), Platforms-as-a-Service (PaaS), Software-as-a-Service (SaaS), and Everything as a service (Xaas) [146]. Among the four types of cloud computing services, Heroku used the platform as a service [146]. End-users can access the model which is hosted on the Heroku plate form for end-users via the link below.

https://perinatal-mortality.herokuapp.com/