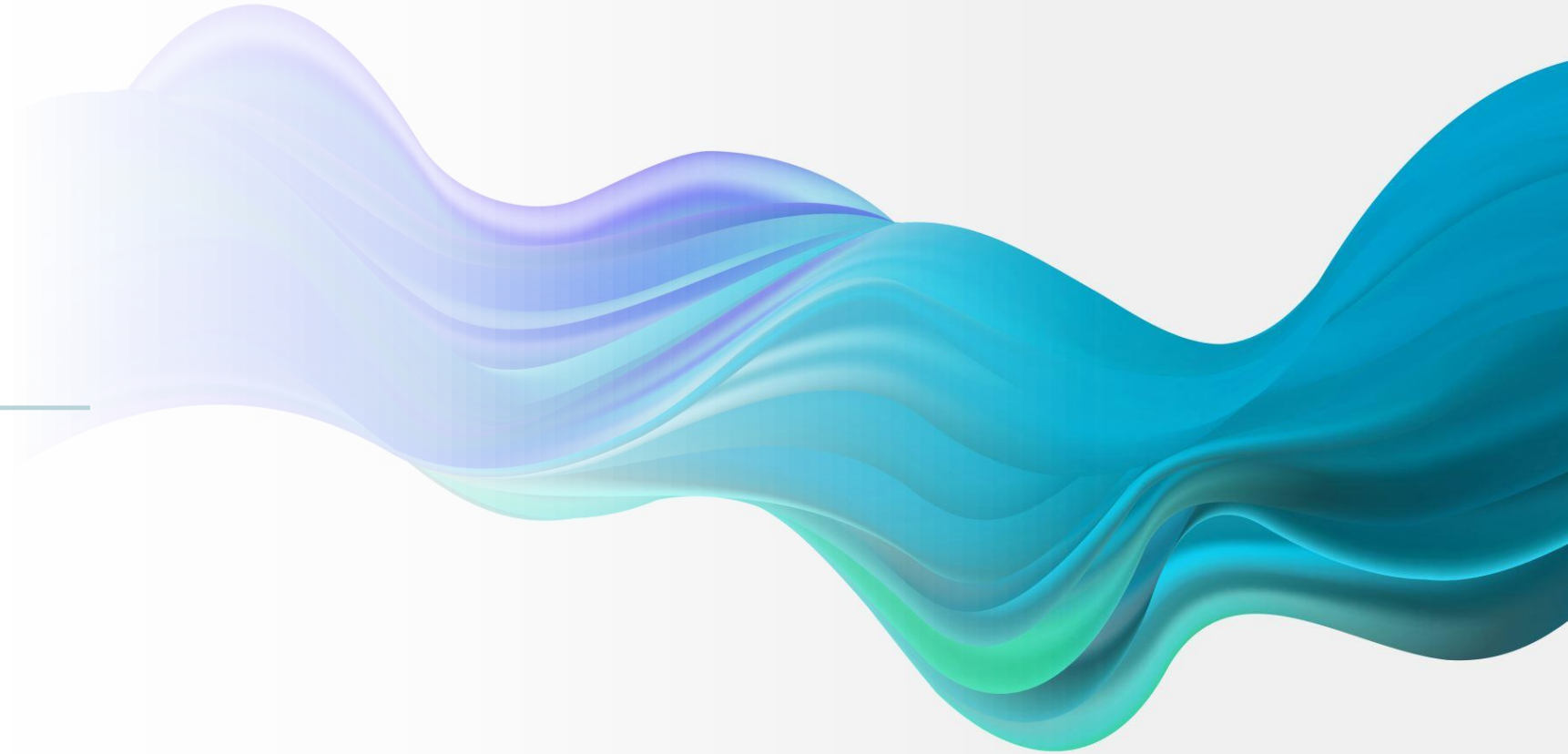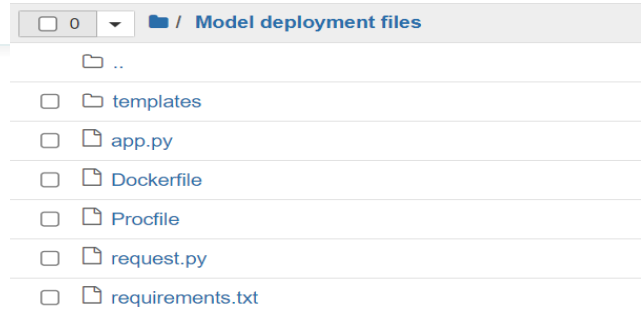# MLC Capstone Project - Model Deployment

By Krishnabansuri K

Commands used for deploying the flask application on the ec2 instance

- Created following files on ec2 instance in a folder called Model Deployment files

☐ 0 ▾	📂 / **Model deployment files**
	📁 ..
☐	📁 templates
☐	📄 app.py
☐	📄 Dockerfile
☐	📄 Procfile
☐	📄 request.py
☐	📄 requirements.txt

- index.html has the html page for us to predict the age and gender for 50 device ids

- App.py has the implementation of 2 services using Flask, / and /predict. Predict gives the predictions for the 50 device ids

- Docker file contains the commands to create the image

- Following commands are used to create an image on ec2 instance

Commands used for deploying the flask application on the ec2 instance

- To install docker on EC2:
    - sudo amazon-linux-extras install docker
    - sudo yum install docker
- start to docker service
    - sudo service docker start
- change the user permissions
    - sudo usermod -a -G docker ec2-user
- sudo chmod 666 /var/run/docker.sock
- #build docker image
    - docker build -t agegenderprediction .
- Run the docker container
    - docker run -p 5000:5000 agegenderprediction
- This command will give a public URL with which we can access the flask app

Predict Gender and Age for 50 Device ids

Predict

Gender and Age predictions for 50 Device ids [0.77436423 0.69389313 0.829304 ... 0.53597605 0.44046003 0.6455852]