Polyp Predictor Application: Use Case Model

Jupyter Notebook

- Import Dataset of Images
- Train Model & Select Best From Train/Test Accuracy
- Save Highest-Performing Model to .h5 file (TensorFlow format)

Model Prediction

- Use Saved Model to Predict Values Based on User Request
- Establish HTTP Rest API via Flask and WSGI HTTP Server via Gunicorn

Online Deployment

- User Submits Image as a HTTP Request; A Response is Returned for the Predicted Output