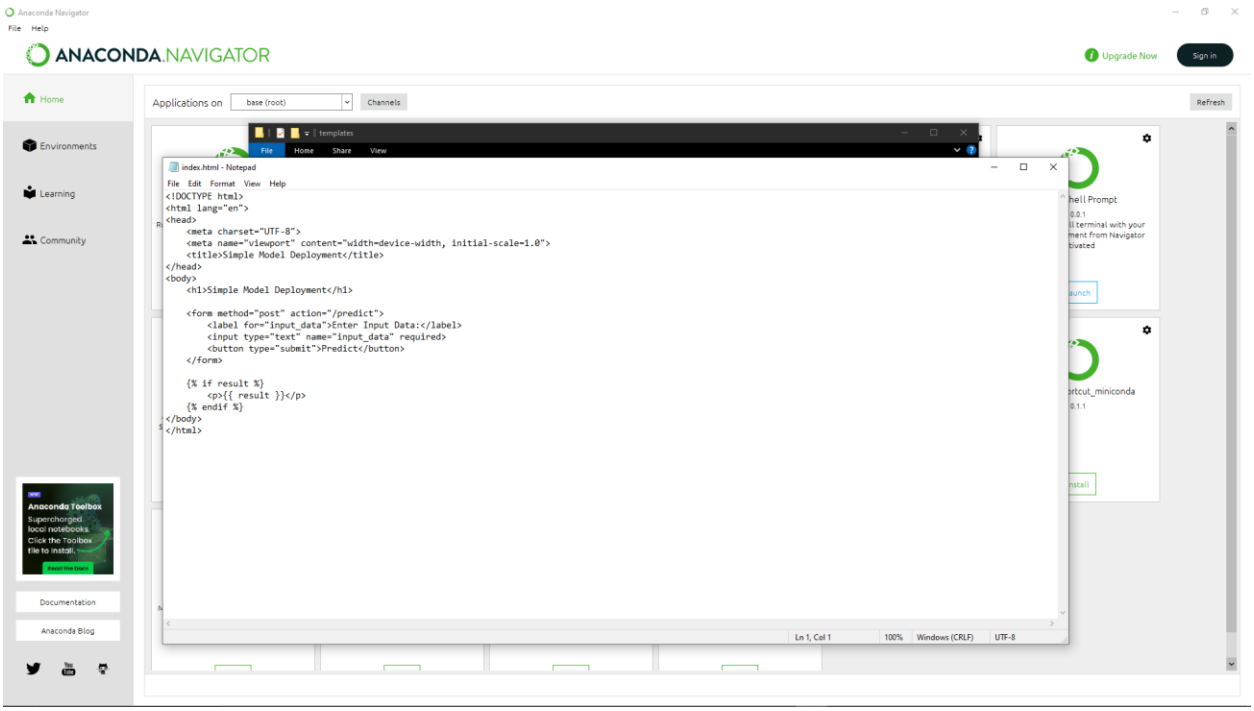
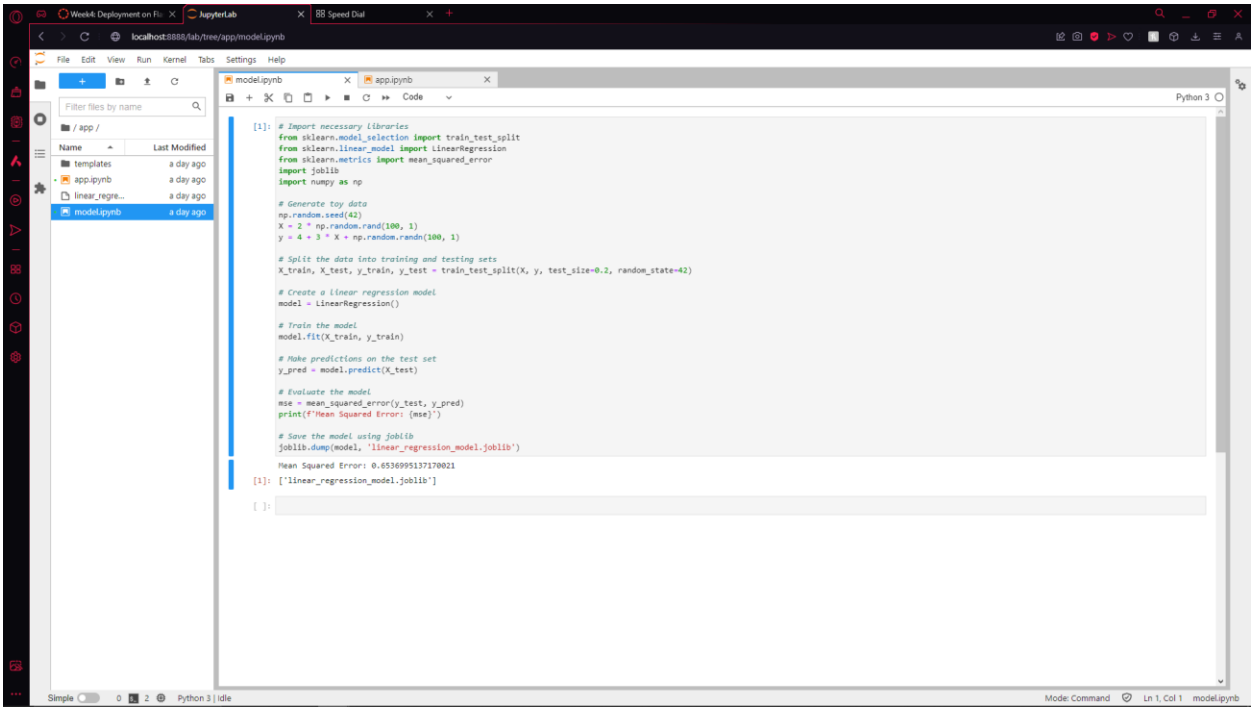
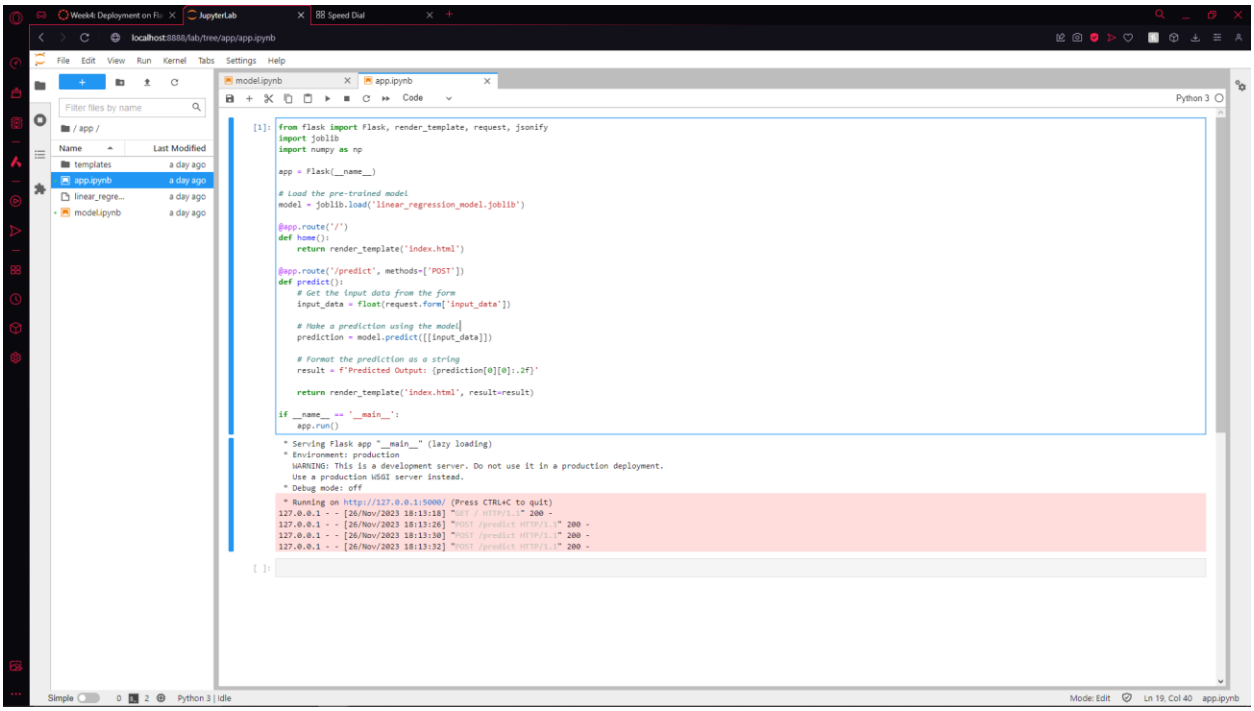
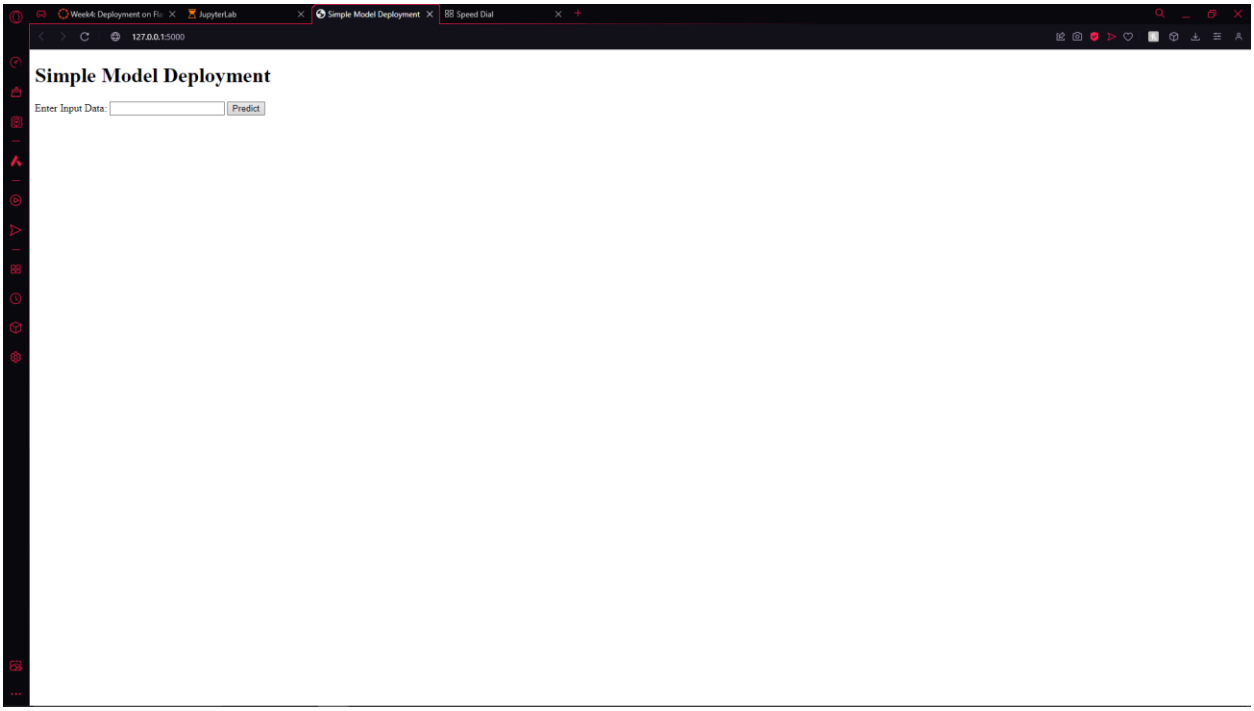
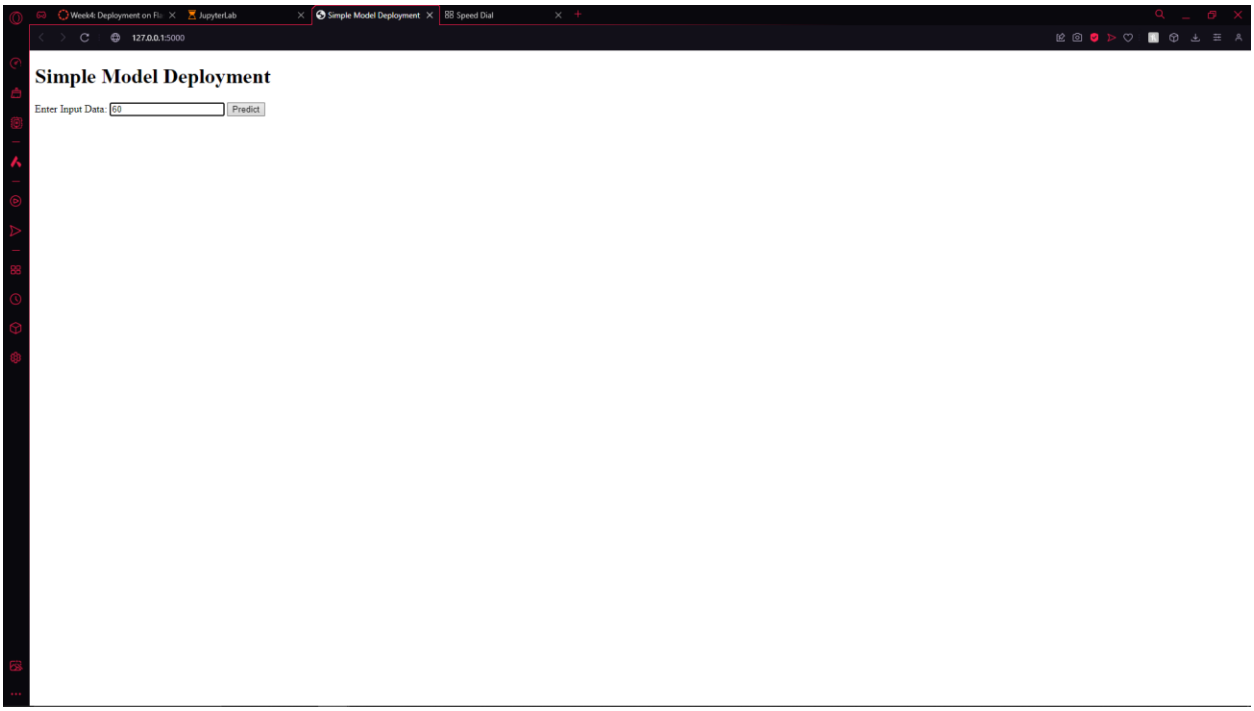
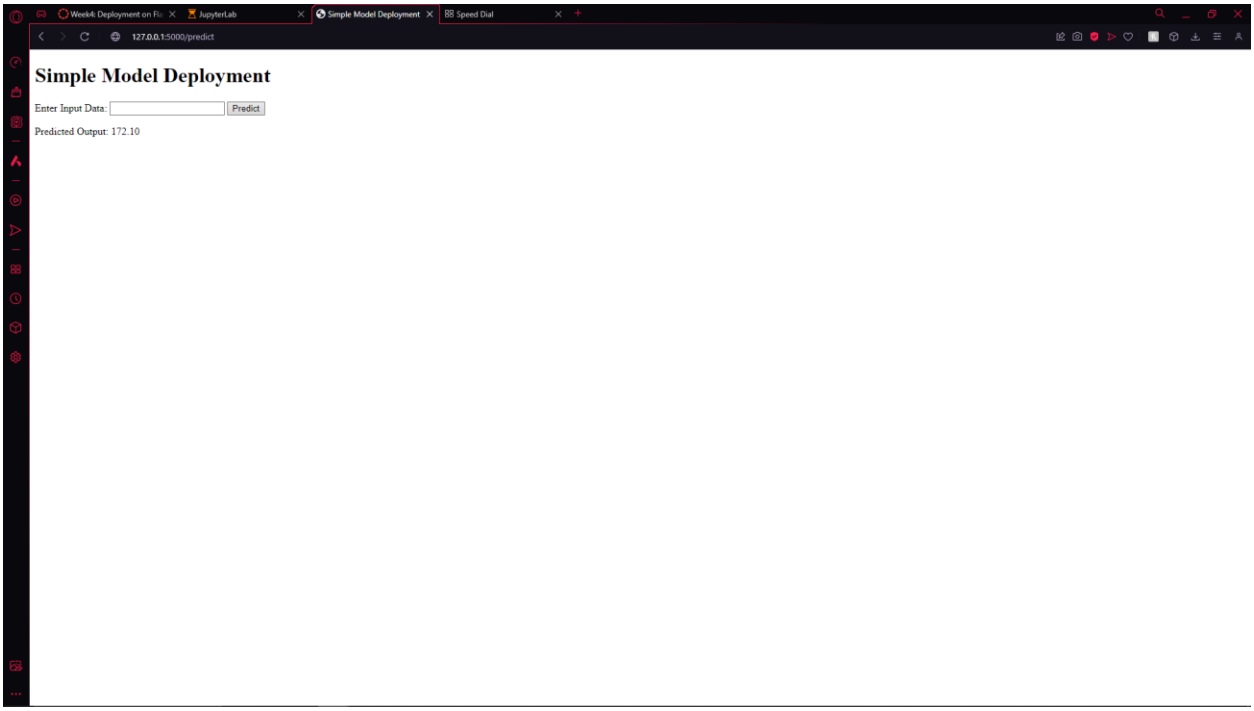

Anaconda Navigator
File Help
ANACONDA.NAVIGATOR
Upgrade Now
Sign in
Home
Environments
Learning
Community
Applications on
base (root)
Channels
Refresh
templates
File Home Share View
index.html - Notepad
File Edit Format View Help
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Simple Model Deployment</title>
</head>
<body>
<h1>Simple Model Deployment</h1>
<form method="post" action="/predict">
<label for="input_data">Enter Input Data:</label>
<input type="text" name="input_data" required>
<button type="submit">Predict</button>
</form>
{% if result %}
{{ result }}
{% endif %}
</body>
</html>
Ln 1, Col 1
100%
Windows (CRLF)
UTF-8
Anaconda Toolbox
Supercharged local notebooks
Click the Toolbox file to install.
Documentation
Anaconda Blog

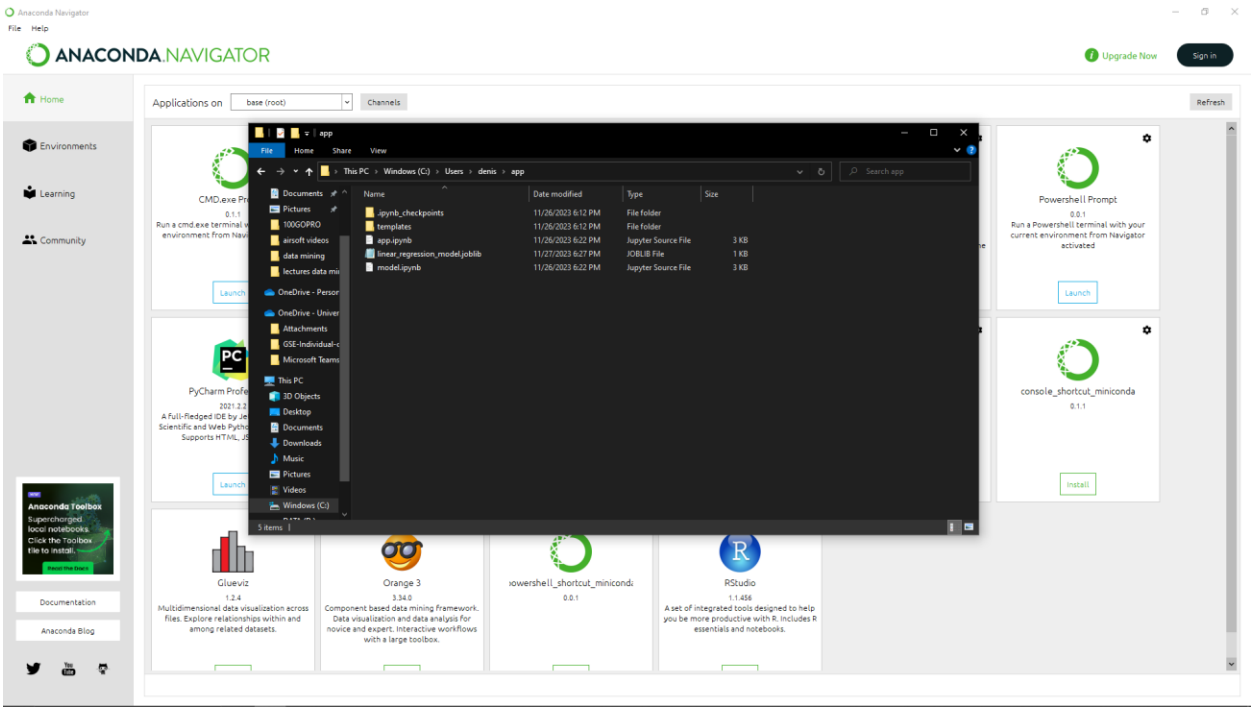

JupyterLab
localhost:8888/lab/tree/app/model.ipynb
File Edit View Run Kernel Tabs Settings Help
model.ipynb
app.ipynb
Code
Python 3
/ app /
Name
Last Modified
templates
app.ipynb
linear_regre...
model.ipynb
a day ago
[1]:
# Import necessary libraries
from sklearn.model_selection import train_test_split
from sklearn.linear_model import LinearRegression
from sklearn.metrics import mean_squared_error
import joblib
import numpy as np
# Generate toy data
np.random.seed(42)
X = 2 * np.random.rand(100, 1)
y = 4 + 3 * X + np.random.randn(100, 1)
# Split the data into training and testing sets
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2, random_state=42)
# Create a linear regression model
model = LinearRegression()
# Train the model
model.fit(X_train, y_train)
# Make predictions on the test set
y_pred = model.predict(X_test)
# Evaluate the model
mse = mean_squared_error(y_test, y_pred)
print(f'Mean Squared Error: {mse}')
# Save the model using joblib
joblib.dump(model, 'linear_regression_model.joblib')
Mean Squared Error: 0.6536995137170021
[1]: ['linear_regression_model.joblib']
Simple
Python 3 | idle
Mode: Command
Ln 1, Col 1
model.ipynb

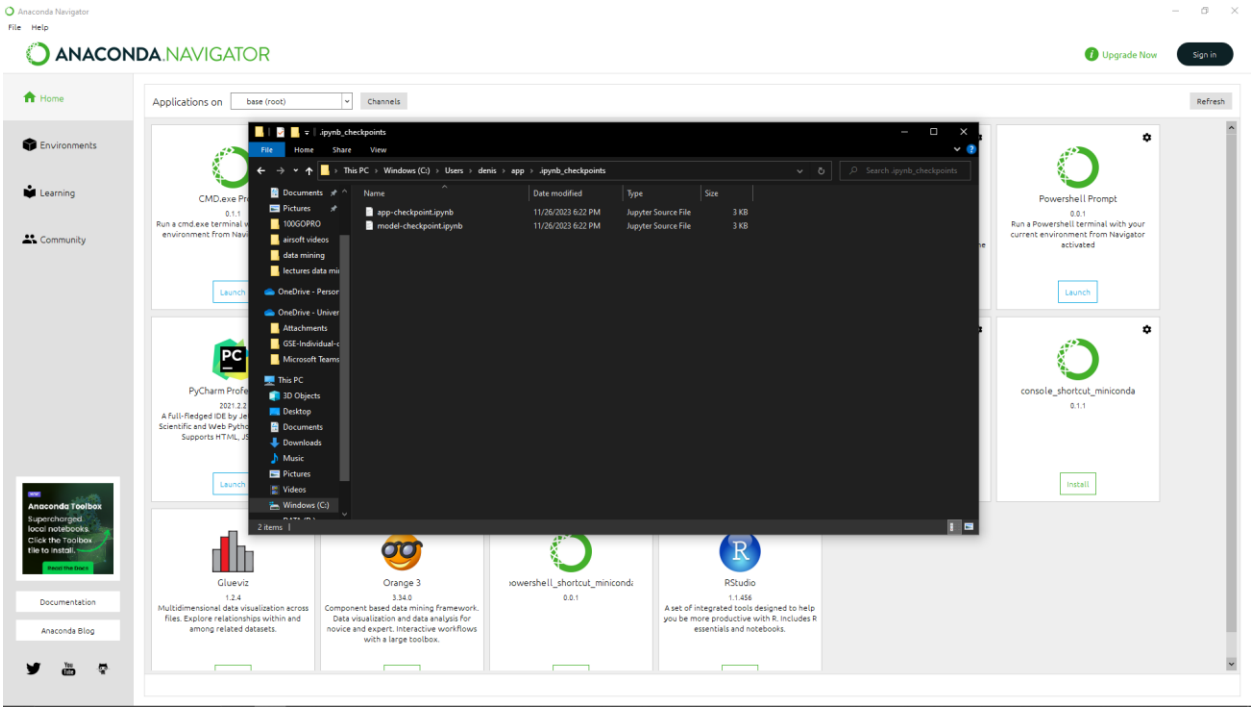

JupyterLab
Speed Dial
localhost:8888/lab/tree/app/app.ipynb
File Edit View Run Kernel Tabs Settings Help
model.ipynb
app.ipynb
Code
Python 3
Filter files by name
/ app /
Name
Last Modified
templates a day ago
app.ipynb a day ago
linear_regre... a day ago
model.ipynb a day ago
[1]:
from flask import Flask, render_template, request, jsonify
import joblib
import numpy as np
app = Flask(__name__)
# Load the pre-trained model
model = joblib.load('linear_regression_model.joblib')
@app.route('/')
def home():
return render_template('index.html')
@app.route('/predict', methods=['POST'])
def predict():
# Get the input data from the form
input_data = float(request.form['input_data'])
# Make a prediction using the model
prediction = model.predict([[input_data]])
# Format the prediction as a string
result = f'Predicted Output: {prediction[0][0]:.2f}'
return render_template('index.html', result=result)
if __name__ == '__main__':
app.run()
* Serving Flask app "__main__" (lazy loading)
* Environment: production
WARNING: This is a development server. Do not use it in a production deployment.
Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
127.0.0.1 - - [26/Nov/2023 18:13:18] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [26/Nov/2023 18:13:26] "POST /predict HTTP/1.1" 200 -
127.0.0.1 - - [26/Nov/2023 18:13:30] "POST /predict HTTP/1.1" 200 -
127.0.0.1 - - [26/Nov/2023 18:13:32] "POST /predict HTTP/1.1" 200 -
[ ]:
Simple
Python 3 | Idle
Mode: Edit
Ln 19, Col 40
app.ipynb

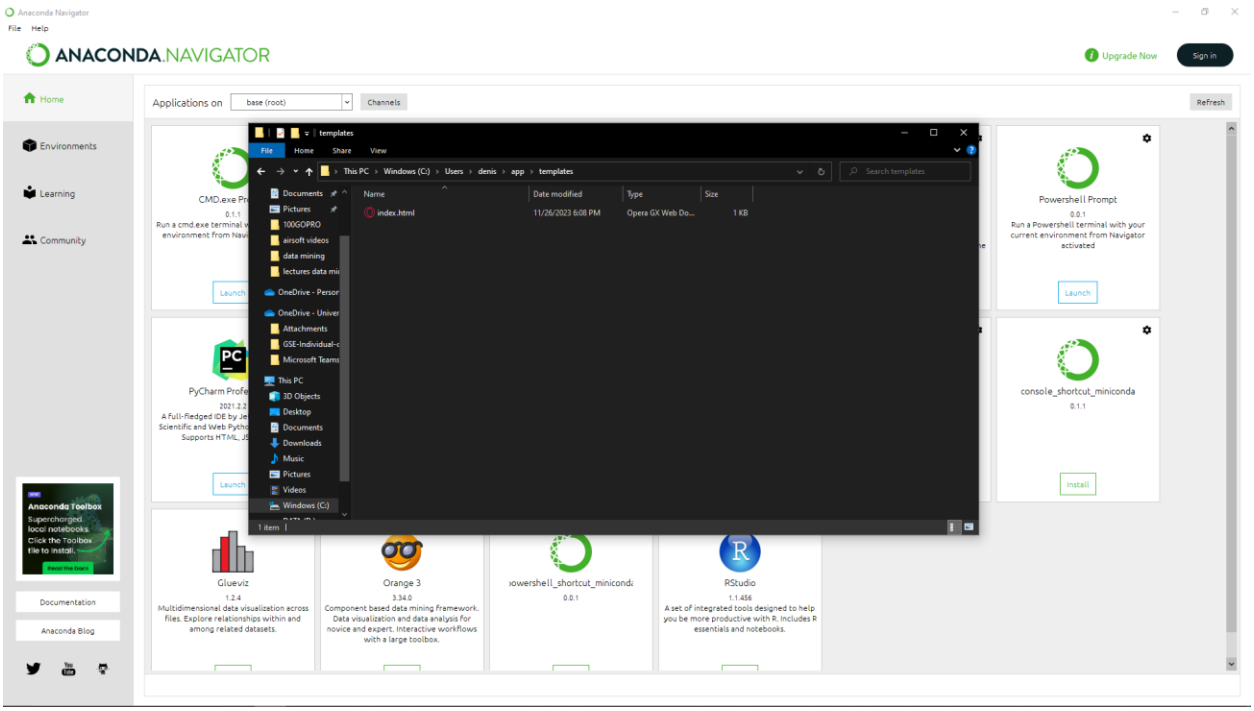

JupyterLab
Simple Model Deployment
Speed Dial
127.0.0.1:5000
Simple Model Deployment
Enter Input Data:
Predict


Week4: Deployment on Flu
JupyterLab
Simple Model Deployment
Speed Dial
127.0.0.1:5000
Simple Model Deployment
Enter Input Data: 60
Predict


Week4: Deployment on Flu
JupyterLab
Simple Model Deployment
Speed Dial
127.0.0.1:5000/predict
Simple Model Deployment
Enter Input Data:
Predict
Predicted Output: 172.10


Anaconda Navigator
File Help
ANACONDA.NAVIGATOR
Upgrade Now
Sign in
Home
Environments
Learning
Community
Applications on
base (root)
Channels
Refresh
app
File Home Share View
This PC › Windows (C:) › Users › denis › app
Search app
Name
Date modified
Type
Size
.ipynb_checkpoints 11/26/2023 6:12 PM File folder
templates 11/26/2023 6:12 PM File folder
app.ipynb 11/26/2023 6:22 PM Jupyter Source File 3 KB
linear_regression_model.joblib 11/27/2023 6:27 PM JOBLIB File 1 KB
model.ipynb 11/26/2023 6:22 PM Jupyter Source File 3 KB
5 items
Powershell Prompt
0.0.1
Run a Powershell terminal with your current environment from Navigator activated
Launch
console_shortcut_miniconda
0.1.1
Install
Glueviz
1.2.4
Multidimensional data visualization across files. Explore relationships within and among related datasets.
Orange 3
3.34.0
Component based data mining framework. Data visualization and data analysis for novice and expert. Interactive workflows with a large toolbox.
RStudio
1.1.456
A set of integrated tools designed to help you be more productive with R. Includes R essentials and notebooks.
Anaconda Toolbox
Supercharged local notebooks. Click the Toolbox tile to install.
Documentation
Anaconda Blog


Anaconda Navigator
File Help
ANACONDA.NAVIGATOR
Upgrade Now
Sign in
Home
Environments
Learning
Community
Applications on
base (root)
Channels
Refresh
.ipynb_checkpoints
File Home Share View
This PC › Windows (C:) › Users › denis › app › .ipynb_checkpoints
Search .ipynb_checkpoints
Name
Date modified
Type
Size
app-checkpoint.ipynb 11/26/2023 6:22 PM Jupyter Source File 3 KB
model-checkpoint.ipynb 11/26/2023 6:22 PM Jupyter Source File 3 KB
2 items
Powershell Prompt
0.0.1
Run a Powershell terminal with your current environment from Navigator activated
Launch
console_shortcut_miniconda
0.1.1
Install
Glueviz
1.2.4
Multidimensional data visualization across files. Explore relationships within and among related datasets.
Orange 3
3.34.0
Component based data mining framework. Data visualization and data analysis for novice and expert. Interactive workflows with a large toolbox.
RStudio
1.1.456
A set of integrated tools designed to help you be more productive with R. Includes R essentials and notebooks.
Anaconda Toolbox
Supercharged local notebooks. Click the Toolbox tile to install.
Documentation
Anaconda Blog


Anaconda Navigator
File Help
ANACONDA.NAVIGATOR
Upgrade Now
Sign in
Home
Environments
Learning
Community
Applications on
base (root)
Channels
Refresh
templates
File Home Share View
This PC › Windows (C:) › Users › denis › app › templates
Search templates
Documents
Pictures
100GOPRO
airsoft videos
data mining
lectures data mi
OneDrive - Perso
OneDrive - Univer
Attachments
GSE-Individual-c
Microsoft Teams
This PC
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
Windows (C:)
Name
Date modified
Type
Size
index.html
11/26/2023 6:08 PM
Opera GX Web Do...
1 KB
1 item
CMD.exe Pr
Run a cmd.exe terminal w
environment from Navi
Launch
Powershell Prompt
0.0.1
Run a Powershell terminal with your current environment from Navigator activated
Launch
PyCharm Profe
2021.2.2
A Full-Fledged IDE by Je
Scientific and Web Pytho
Supports HTML, JS
Launch
console_shortcut_miniconda
0.1.1
Install
Anaconda Toolbox
Supercharged local notebooks
Click the Toolbox file to install.
Documentation
Anaconda Blog
Glueviz
1.2.4
Multidimensional data visualization across files. Explore relationships within and among related datasets.
Orange 3
3.34.0
Component based data mining framework. Data visualization and data analysis for novice and expert. Interactive workflows with a large toolbox.
owershell_shortcut_miniconda
0.0.1
RStudio
1.1.456
A set of integrated tools designed to help you be more productive with R. Includes R essentials and notebooks.