CNN_Evaluation

October 27, 2025

[17]:
```python
if __name__ == "__main__":
    import matplotlib.pyplot as plt
    from PIL import Image

    # Replace with your image path
    img_path = "Enter path here"

    # Predict class
    pred = predict_leaf_class(img_path)

    # Display the input image
    img = Image.open(img_path).convert("RGB")
    plt.imshow(img)
    plt.title(f"Predicted Class: {pred}")
    plt.axis('off')
    plt.show()
```

[31]:
```
if __name__ == "__main__":
    import matplotlib.pyplot as plt
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    img = Image.open(img_path).convert("RGB")
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    plt.title(f"Predicted Class: {pred}")
    plt.axis('off')
    plt.show()
```

```
File Name: /home/prathamesh/Documents/idc409/Sample_images/acer1.jpeg |
Predicted Class: Acer
```

[30]:
```python
if __name__ == "__main__":
    import matplotlib.pyplot as plt
    from PIL import Image

    # Replace with your image path
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    plt.imshow(img)
    plt.title(f"Predicted Class: {pred}")
    plt.axis('off')
    plt.show()
```

```
File Name: /home/prathamesh/Documents/idc409/Sample_images/acer2.jpeg |
Predicted Class: Acer
```

[35]:
```python
if __name__ == "__main__":
    import matplotlib.pyplot as plt
    from PIL import Image

    # Replace with your image path
    img_path = "Enter path here"

    # Predict class
    pred = predict_leaf_class(img_path)
    print(f"File Name: {img_path} | Predicted Class: {pred}")

    # Display the input image
    img = Image.open(img_path).convert("RGB")
    plt.imshow(img)
    plt.title(f"Predicted Class: {pred}")
    plt.axis('off')
    plt.show()
```

```
File Name: /home/prathamesh/Documents/idc409/Sample_images/quercus1.jpeg |
Predicted Class: Acer
```

[34]:
```python
if __name__ == "__main__":
    import matplotlib.pyplot as plt
    from PIL import Image

    # Replace with your image path
    img_path = "Enter path here"

    # Predict class
    pred = predict_leaf_class(img_path)
    print(f"File Name: {img_path} | Predicted Class: {pred}")

    # Display the input image
    img = Image.open(img_path).convert("RGB")
    plt.imshow(img)
    plt.title(f"Predicted Class: {pred}")
    plt.axis('off')
    plt.show()
```

```
File Name: /home/prathamesh/Documents/idc409/Sample_images/quercus3.jpeg |
Predicted Class: Quercus
```

[36]:
```
if __name__ == "__main__":
    import matplotlib.pyplot as plt
    from PIL import Image

    # Replace with your image path
    img_path = "Enter path here"

    # Predict class
    pred = predict_leaf_class(img_path)
    print(f"File Name: {img_path} | Predicted Class: {pred}")

    # Display the input image
    img = Image.open(img_path).convert("RGB")
    plt.imshow(img)
    plt.title(f"Predicted Class: {pred}")
    plt.axis('off')
    plt.show()
```

```
File Name: /home/prathamesh/Documents/idc409/Sample_images/salix_alba1.jpeg |
Predicted Class: Ulmus_glabra
```

[37]:
```
if __name__ == "__main__":
    import matplotlib.pyplot as plt
    from PIL import Image

    # Replace with your image path
    img_path = "Enter path here"

    # Predict class
    pred = predict_leaf_class(img_path)
    print(f"File Name: {img_path} | Predicted Class: {pred}")

    # Display the input image
    img = Image.open(img_path).convert("RGB")
    plt.imshow(img)
    plt.title(f"Predicted Class: {pred}")
    plt.axis('off')
    plt.show()
```

```
File Name: /home/prathamesh/Documents/idc409/Sample_images/salix_alba2.jpeg |
Predicted Class: Quercus
```

[50]:
```
if __name__ == "__main__":
    import matplotlib.pyplot as plt
    from PIL import Image

    # Replace with your image path
    img_path = "Enter path here"
    # Predict class
    pred = predict_leaf_class(img_path)
    print(f"File Name: {img_path} | Predicted Class: {pred}")

    # Display the input image
    img = Image.open(img_path).convert("RGB")
    plt.imshow(img)
    plt.title(f"Predicted Class: {pred}")
    plt.axis('off')
    plt.show()
```

```
File Name:
/home/prathamesh/Documents/idc409/Sample_images/ulmus_caprinifolia_1.jpeg |
Predicted Class: Ulmus_carpinifolia
```

[49]:
```
if __name__ == "__main__":
    import matplotlib.pyplot as plt
    from PIL import Image

    # Replace with your image path
    img_path = "Enter path here"

    # Predict class
    pred = predict_leaf_class(img_path)
    print(f"File Name: {img_path} | Predicted Class: {pred}")

    # Display the input image
    img = Image.open(img_path).convert("RGB")
    plt.imshow(img)
    plt.title(f"Predicted Class: {pred}")
    plt.axis('off')
    plt.show()
```

```
File Name:
/home/prathamesh/Documents/idc409/Sample_images/ulmus_caprinifolia_2.jpeg |
Predicted Class: Ulmus_carpinifolia
```

[47]:
```
if __name__ == "__main__":
    import matplotlib.pyplot as plt
    from PIL import Image

    # Replace with your image path
    img_path = "Enter path here"
    # Predict class
    pred = predict_leaf_class(img_path)
    print(f"File Name: {img_path} | Predicted Class: {pred}")

    # Display the input image
    img = Image.open(img_path).convert("RGB")
    plt.imshow(img)
    plt.title(f"Predicted Class: {pred}")
    plt.axis('off')
    plt.show()
```

```
File Name: /home/prathamesh/Documents/idc409/Sample_images/ulmus_glabra_1.jpeg |
Predicted Class: Ulmus_glabra
```

[46]:
```
if __name__ == "__main__":
    import matplotlib.pyplot as plt
    from PIL import Image

    # Replace with your image path
    img_path = "Enter path here"

    # Predict class
    pred = predict_leaf_class(img_path)
    print(f"File Name: {img_path} | Predicted Class: {pred}")

    # Display the input image
    img = Image.open(img_path).convert("RGB")
    plt.imshow(img)
    plt.title(f"Predicted Class: {pred}")
    plt.axis('off')
    plt.show()
```

```
File Name: /home/prathamesh/Documents/idc409/Sample_images/ulmus_glabra_2.jpeg |
Predicted Class: Acer
```


Predicted Class: Acer