

## Portfolio Web Application using Flask (Python)

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### Project Structure:

```
flask_portfolio/  
├── app.py  
├── templates/  
│   ├── base.html  
│   ├── index.html  
│   ├── projects.html  
│   └── contact.html  
├── static/  
│   ├── css/  
│   │   └── style.css  
│   └── images/  
├── data/  
│   └── projects.json  
├── requirements.txt  
└── README.md
```

### app.py (Flask App):

```
from flask import Flask, render_template, json  
  
app = Flask(__name__)  
  
@app.route('/')  
def index():  
    return render_template('index.html')  
  
@app.route('/projects')  
def projects():  
    with open('data/projects.json') as f:  
        projects_data = json.load(f)  
    return render_template('projects.html', projects=projects_data)  
  
@app.route('/contact')  
def contact():  
    return render_template('contact.html')  
  
if __name__ == '__main__':  
    app.run(debug=True)
```

### base.html (Template):

```
<!DOCTYPE html>  
<html lang="en">  
<head>  
    <meta charset="UTF-8">  
    <title>My Portfolio</title>  
    <link rel="stylesheet" href="{{ url_for('static', filename='css/style.css') }}">  
</head>  
<body>  
    <nav>  
        <a href="/">Home</a> |  
        <a href="/projects">Projects</a> |  
        <a href="/contact">Contact</a>  
    </nav>  
    <div class="content">  
        {% block content %}{% endblock %}  
    </div>  
</body>  
</html>
```