FAKE NEWS

Creating a full-fledged website with a fake news detection model involves multiple components and is beyond the scope of a single response. However, I can provide you with a simplified example using Python, Flask, and a pre-trained machine learning model (logistic regression) for text classification

First, you'll need to install Flask and other dependencies:

→pip install Flask scikit-learn pandas

1.Project Structure:

```
        project_directory/
├── app.py
├── templates/
│   ├── index.html
└── models/
  ├── fake_news_model.pkl
```

2.HTML Template('index.html'):

- Create an HTML file in the 'templates' folder to create the user interface:

```html
<!DOCTYPE html>
<html>
<head>
    <title>Fake News Detection</title>
</head>
<body>
    <h1>Fake News Detection</h1>
    <form method="POST">
        <textarea name="text" rows="4"
cols="50" placeholder="Enter the news
article..."></textarea>
        <br>
        <input type="submit"
value="Detect">
    </form>
    {% if result %}
    <h2>Result: {{ result }}</h2>
    {% endif %}
</body>
</html>
```

3.Flask Application('app.py'):

- Create the Flask application in 'app.py':

```python
import joblib
from flask import Flask,
render_template, request

app = Flask(__name__)

# Load the pre-trained model
model =
joblib.load("models/fake_news_mo
del.pkl")

@app.route("/", methods=["GET",
"POST"])
def index():
    result = ""
    if request.method == "POST":
        text = request.form["text"]
        prediction =
model.predict([text])[0]
        result = "Fake" if prediction
== 1 else "Real"
    return
render_template("index.html",
result=result)

if __name__ == "__main__":
    app.run(debug=True)
```

4.Model Creation and Training:

- You need to train or acquire a fake news detection model,save it, and place it in the 'models' directory as 'fake_news_model.pk1'.This code assumes you already have a trained model

5.Running the web application:

- To run your web application, execute the following command in your project directory:

→python app.py

Access the web application in your web browser at '**http://localhost:5000'**

You can enter a news article in the textarea and click "Detect" to get the model's prediction.