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Department of Computer Applications



Cloud Application Design

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Flask Applications

PES
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CELEBRATING 50 YEARS

- Flask is a web micro-framework written in Python
- Flask is made for Python applications.
- Flask is based on two key components: WSGI (Webserver Gateway Interface) toolkit and Jinja2 template engine.
- WSGI is a specification for web applications and Jinja2 renders web pages.
- Linkedin, Pinterest use the Flask framework.

Flask Hello World

- On the command prompt type pip3 install Flask
- Create an app.py file and type the following content

```
from flask import Flask
app = Flask(__name__)

@app.route("/")
    def hello():
        return "Hello World!"

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

```
$ python hello.py
* Running on http://localhost:5000/
```



Deploying an ML Project

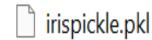


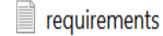
Create a Project folder structure

- app.py: This Python file will contain the Flask specific code – which is part of the backend which is going to respond for the client requests
- Model.pkl: This file is the dumped model which has the ability to predict
- Templates folder: This folder will contain the HTML files. These HTML files will be rendered on the web browser.
- You can also store js, css and other python files if they are required.











THANK YOU

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