



Architecture of flask

What is Flask ?

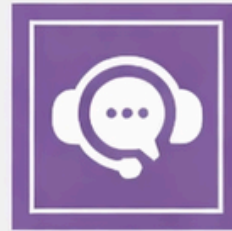
- *Flask is a lightweight and powerful web framework for Python. It's often called a "micro-framework" because it provides the essentials for web development without unnecessary complexity.*
- *Unlike Django, which comes with built-in features like authentication and an admin panel, Flask keeps things minimal and lets us add only what we need.*

Flask is built on top of two powerful libraries

- ***Werkzeug*** : A comprehensive WSGI web server library that helps manage the application's request and response cycles.
- ***Jinja2*** : A templating engine that allows you to use dynamic HTML in your application, making it easy to build web pages with variables and loops.

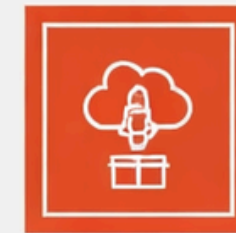
IoT, Microservices & More

01 IoT backend
Support



Lightweight
microservices **02**

03 Automation &
web scraping



Cloud
deployment **04**

Web Development With Flask



**Build
dynamic
web apps**



**Lightweight
& flexible**



**Jinja2
templating**



**Frontend
integration**

RESTful APIs with Flask



Create
scalable APIs

1



JSON data
exchange

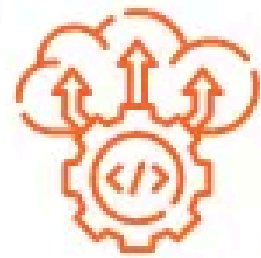
2



Secure
authentication

3

Machine Learning with Flask



Deploy
ML models

1



Real-time
predictions

2



Web-based
AI tools

3