

## Deployment on Cloud:

### Week4 : Deployment on Vercel

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Submitted to

1. Created an account on Heroku.
2. Uploaded the project on GitHub.

The screenshot shows the GitHub interface for the repository 'Salary\_Predictor\_FLASKAPI' owned by 'vasuvs45'. The repository is public and has 10 commits. The file list includes folders 'static' and 'templates', and files 'Flask\_HTML\_app.py', 'ModelIpynb', 'New\_ModelIpynb', 'Salary\_Dataset\_with\_Extra\_Features.csv', 'Salary\_dataset.csv', 'Week4 Assignment.pdf', 'ds\_salaries.csv', 'encoder.h5', and 'linear\_regression\_model.pickle'. The right sidebar shows the 'About' section with the project name 'Flask\_API' and a link to 'salary-predictor-flaskapi.vercel.app'. It also includes sections for 'Releases', 'Packages', and 'Deployments', with the 'Production' deployment listed as '1 weeks ago'.

File/Folder	Commit Message	Commit Hash	Time Ago
static	updating files	82c8bb6	3 weeks ago
templates	updating files		3 weeks ago
Flask_HTML_app.py	updating files		3 weeks ago
ModelIpynb	Project_details		6 months ago
New_ModelIpynb	updating files		3 weeks ago
Salary_Dataset_with_Extra_Features.csv	updating files		3 weeks ago
Salary_dataset.csv	Project_details		6 months ago
Week4 Assignment.pdf	Add files via upload		6 months ago
ds_salaries.csv	updating files		3 weeks ago
encoder.h5	updating files		3 weeks ago
linear_regression_model.pickle	Project_details		6 months ago

### 3. Connected GitHub with Heroku

The screenshot shows the Vercel dashboard for a project named 'salary-predictor-flaskapi'. The top navigation bar includes links for Project, Deployments, Analytics, Speed Insights, Logs, Storage, and Settings. Below the navigation bar, the project name is displayed, along with buttons for 'Git Repository', 'Domains', and 'Visit'. The main section is titled 'Production Deployment' and includes buttons for 'Build Logs', 'Runtime Logs', and 'Instant Rollback'. A preview of the application is shown, featuring a 'Predict Salary' form with input fields for 'Experience Level', 'Select Job Title', 'Select Employee Location', 'Select Job Location', and 'Select Job Title', and a 'Predict' button. To the right of the preview, deployment details are listed: 'salary-predictor-flaskapi-66clfw6q-vasuvs45.vercel.app'. Below this, the 'Domains' section shows 'salary-predictor-flaskapi.vercel.app' with a '+2' button. The 'Status' section indicates the deployment is 'Ready' and was created '20d ago by vasuvs45'. The 'Source' section shows the deployment is linked to the 'main' branch of a repository, with a commit hash '82c8bb6' and a note 'updating files'.

### 4. Created a requirement.txt file of the project and uploaded on the Github

```
new 6 x new 4 x new 13 x new 3 x new 5 x DataEngineer.bt x new 12 x new 16 x new 2 x config.yml x new 1 x new 8 x requirements.txt x
1 blinker==1.7.0
2 click==8.1.7
3 colorama==0.4.6
4 Flask==3.0.0
5 itsdangerous==2.1.2
6 Jinja2==3.1.2
7 MarkupSafe==2.1.3
8 numpy==1.26.2
9 Werkzeug==3.0.1
10 blinker==1.7.0
11 click==8.1.7
12 colorama==0.4.6
13 Flask==3.0.0
14 itsdangerous==2.1.2
15 Jinja2==3.1.2
16 joblib==1.3.2
17 MarkupSafe==2.1.3
18 numpy==1.26.2
19 scikit-learn==1.3.2
20 scipy==1.11.4
21 threadpoolctl==3.2.0
22 Werkzeug==3.0.1
23
```

## 5. Deployed the project successfully on Heroku

← → ↻ salary-predictor-flaskapi.vercel.app/predict ☆ | 📄 | 📌 | 🌐

🔍 Business AnalyticsU... 🌐 Linux perl functions... 🌐 Dehradun Smart Cit... 📄 (Tutorial) Python Fo... 🌐 AlgoExpert | Ace th... 🌐 Top 10 Must-Read B... >> | 📁 All Bookmar

### Predict Salary

2

Full Time

USA

USA

Data Scientist

Predict

Salary Should be \$ \$192,466.71