

## Deployment on Cloud:

### Week4 : Deployment on Vercel

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Submitted to

1. Created an account on Vercel.
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 shows 'Releases' (no releases published), 'Packages' (no packages published), and 'Deployments' (Production deployment 3 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 Vercel

The screenshot shows the Vercel dashboard for a project named 'salary-predictor-flaskapi'. The browser address bar shows 'vercel.com/vasuvs45/salary-predictor-flaskapi'. The dashboard has a top navigation bar with links to Project, Deployments, Analytics, Speed Insights, Logs, Storage, and Settings. Below this, the project name is displayed 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 description states 'The deployment that is available to your visitors.' Below this, there is a preview of the application, which is a 'Predict Salary' form with 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 shown: 'Deployment salary-predictor-flaskapi-66clfw6q-vasuvs45.vercel.app', 'Domains salary-predictor-flaskapi.vercel.app +2', 'Status Ready Created 20d ago by vasuvs45', and 'Source main 82c8bb6 updating files'.

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

The screenshot shows a code editor with a file named 'requirements.txt' open. The file contains a list of Python dependencies and their versions, each on a new line. The dependencies are: blinker==1.7.0, click==8.1.7, colorama==0.4.6, Flask==3.0.0, itsdangerous==2.1.2, Jinja2==3.1.2, MarkupSafe==2.1.3, numpy==1.26.2, Werkzeug==3.0.1, blinker==1.7.0, click==8.1.7, colorama==0.4.6, Flask==3.0.0, itsdangerous==2.1.2, Jinja2==3.1.2, joblib==1.3.2, MarkupSafe==2.1.3, numpy==1.26.2, scikit-learn==1.3.2, scipy==1.11.4, threadpoolctl==3.2.0, and Werkzeug==3.0.1. The editor has a tab bar at the top with several open files, including 'DataEngineer.bt', 'new 12', 'new 16', 'new 2', 'config.yml', 'new 1', 'new 8', and 'requirements.txt'.

## 5. Deployed the project successfully on Vercel

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

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### Predict Salary

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Full Time ▼

USA ▼

USA ▼

Data Scientist ▼

Predict

Salary Should be \$ \$192,466.71