Name: Cloud and API deployment

Batch code: LISUM20

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Submitted to: Data Glacier

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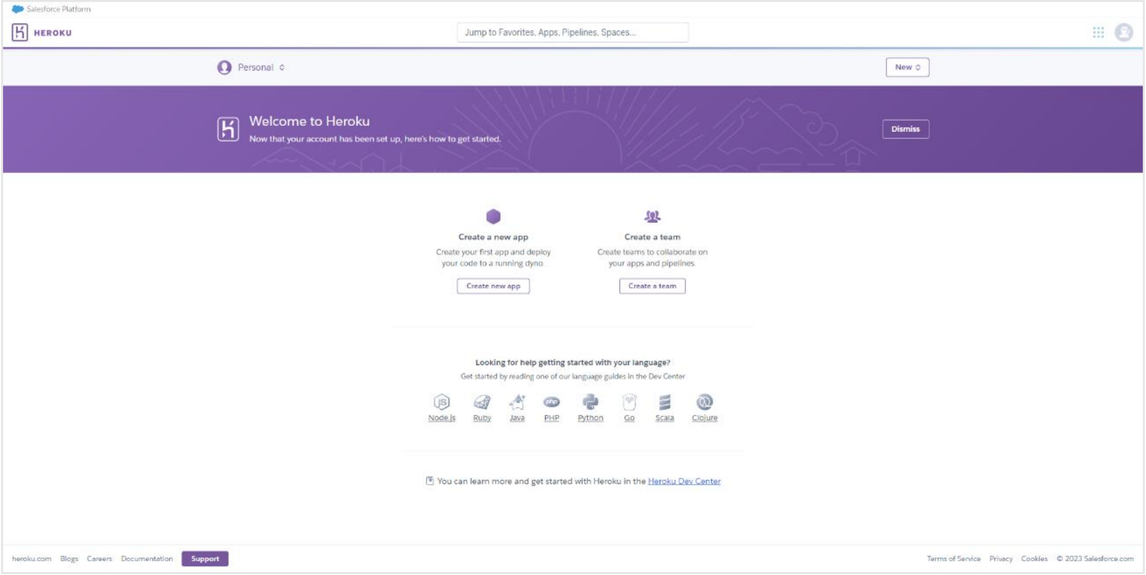
Data intake

Use the trained model previously deployed on Flask.

1. Deploy the Flask on Heroku
    1) Create a Heroku account and log in to the Heroku dashboard.



Welcome to Heroku

Now that your account has been set up, here's how to get started.

Create a new app

Create your first app and deploy your code to a running dyno.

Create a team

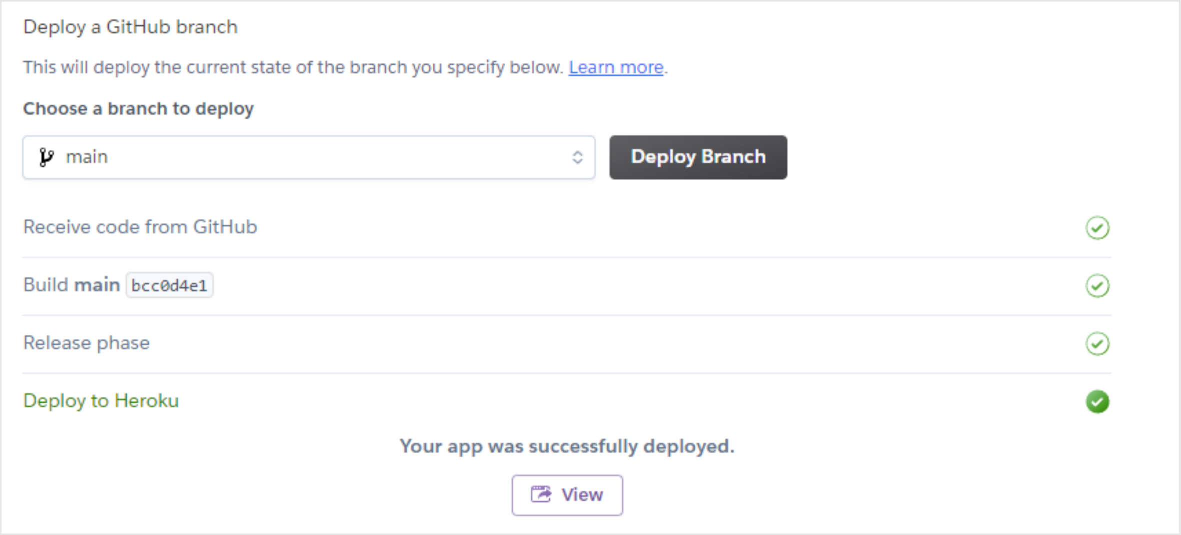
Create teams to collaborate on your apps and pipelines.

Looking for help getting started with your language?

Get started by reading one of our language guides in the Dev Center

You can learn more and get started with Heroku in the Heroku Dev Center

    2) Create a new app on Heroku.
    3) Connect the Heroku app to your Git repository containing the Flask app and the saved model.
    4) Configure the Heroku app to use a Python buildpack.
    5) Deploy the app to Heroku using Git



Deploy a GitHub branch

This will deploy the current state of the branch you specify below. Learn more.

Choose a branch to deploy

main

Receive code from GitHub ✓

Build main `bcc0d4e1` ✓

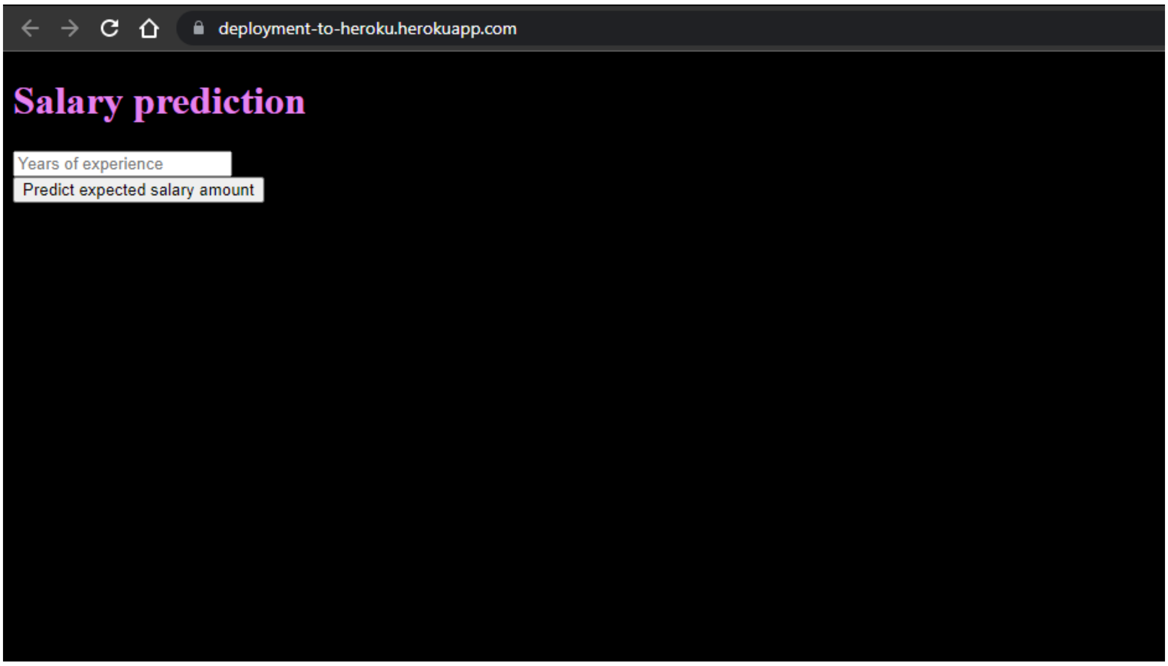
Release phase ✓

Deploy to Heroku ✓

Your app was successfully deployed.

6) Once the deployment is complete, test the app by visiting the Heroku app's URL in a web browser.

App’s URL: https://deployment-to-heroku.herokuapp.com



deployment-to-heroku.herokuapp.com

Salary prediction

Years of experience

7) Conclusion

In summary, we successfully deployed a machine learning model to Heroku using the Flask framework. We used the scikit-learn library to train a linear regression model to predict salaries based on years of experience. We saved the trained model using pickle and created a RESTful API using Flask to allow users to input data and receive salary predictions. We then deployed the Flask app to Heroku, making the model accessible to users via a web interface. The deployment process was made possible by Heroku's platform, which provided a reliable and scalable hosting solution for our application. Overall, the deployment of our model to Heroku allowed us to create a user-friendly web interface and make our model accessible to a wider audience.