

Advanced Python Programming

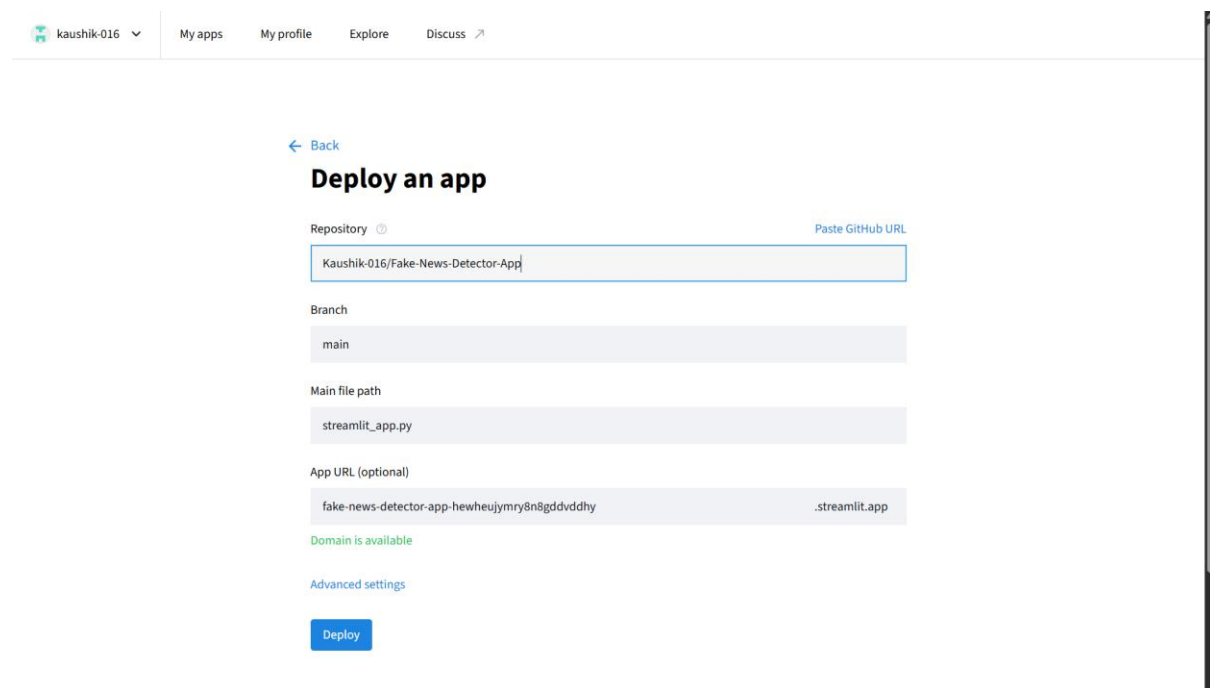
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Web Deployment

Streamlit is an open-source Python framework that makes it easy to build and deploy interactive web applications for data science and machine learning. With minimal code, it converts Python scripts into user-friendly dashboards, eliminating the need for traditional web development. Streamlit supports components like charts, forms, and media, and integrates well with popular ML libraries. It is widely used for prototyping, visualization, and deploying real-time AI models quickly and efficiently.

Deployment steps:

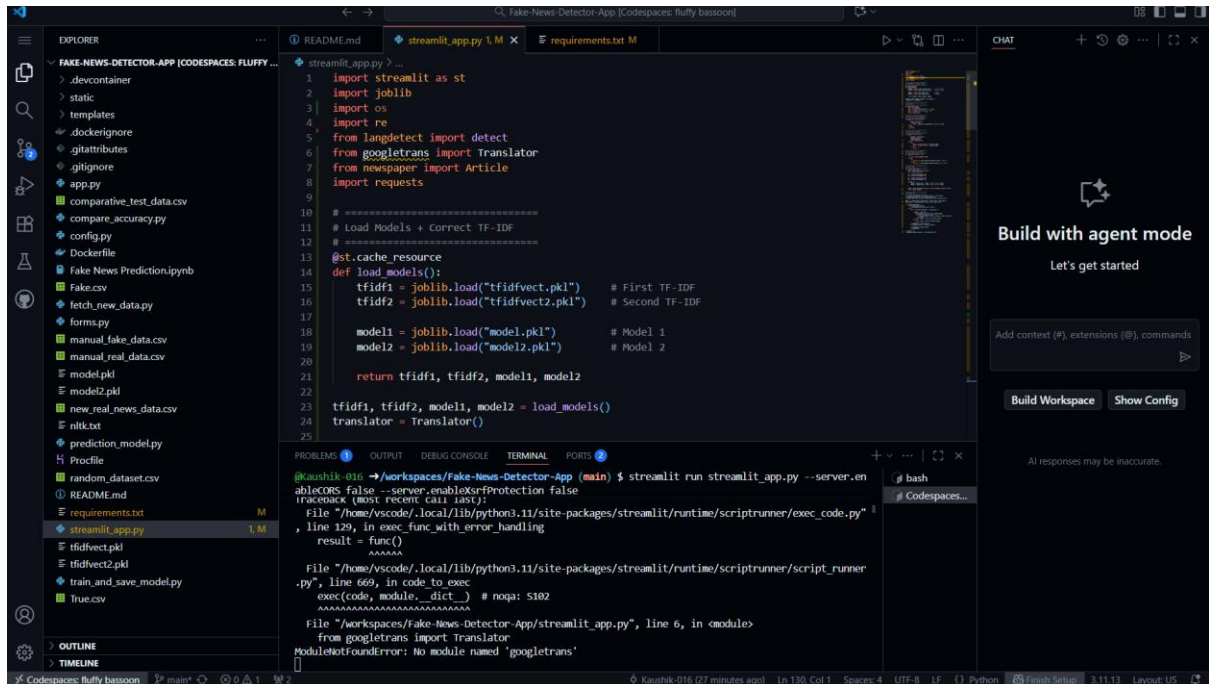


The screenshot shows the Streamlit deployment interface. At the top, there is a navigation bar with the user's name 'kaushik-016' and links for 'My apps', 'My profile', 'Explore', and 'Discuss'. The main content area is titled 'Deploy an app' and contains a form with the following fields:

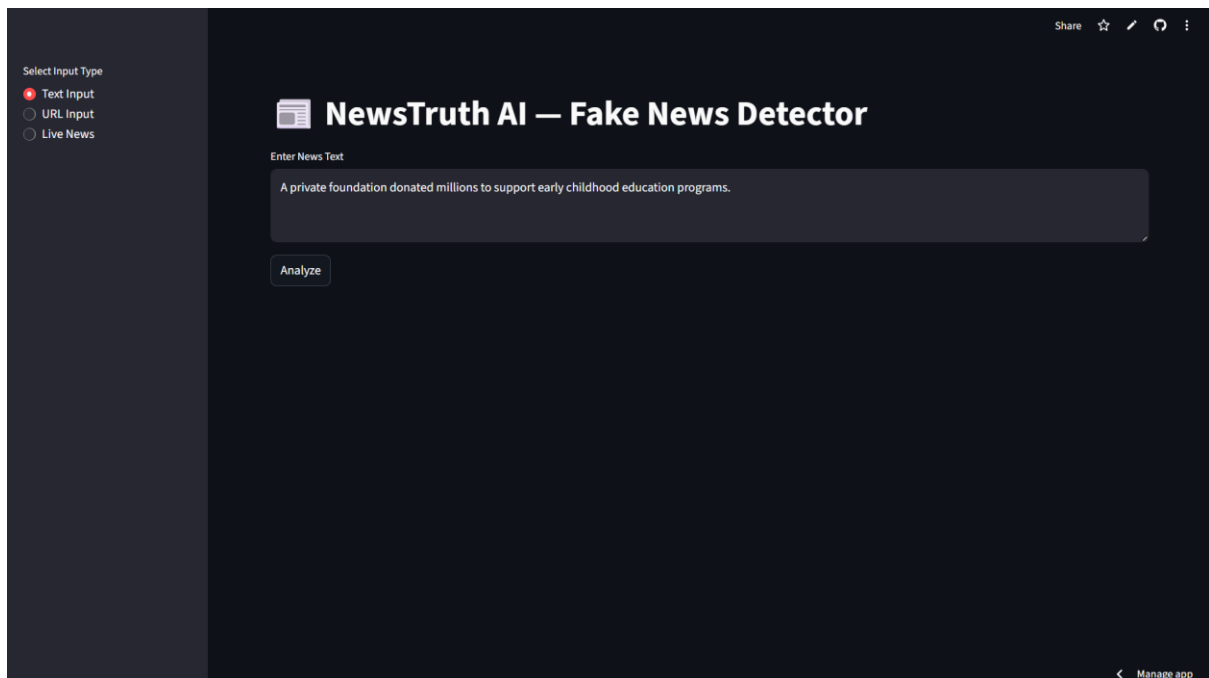
- Repository:** A text input field containing 'Kaushik-016/Fake-News-Detector-App'. To the right of the field is a link 'Paste GitHub URL'.
- Branch:** A dropdown menu showing 'main'.
- Main file path:** A text input field containing 'streamlit_app.py'.
- App URL (optional):** A text input field containing 'fake-news-detector-app-hewheujymry8n8gddvddhy'. To the right of the field is a link '.streamlit.app'.

Below the form, there is a green status message 'Domain is available' and a link 'Advanced settings'. At the bottom of the form is a blue 'Deploy' button.

Workspace in StreamLit:



Final Deployment:



Link:

<https://fake-news-detector-app-hewheuiymry8n8gddvddhy.streamlit.app/>