

Commit-Connect

Code Blooded

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Introduction

- Commit-Connect is a platform that helps developers find open-source projects based on their skills.
- Uses GitHub API and Gemini AI to recommend repositories.

Problem Statement

- Many developers struggle to find relevant open-source projects.
- Manual searching is time-consuming.
- Need an AI-driven approach for better recommendations.

Features

- GitHub login with Personal Access Token authentication
- Fetch and display user repositories
- Recommend open-source projects based on interests
- Visualize user profile statistics

- Frontend: Streamlit
- Backend: Python
- APIs: GitHub API, Gemini AI

- ① User logs in using GitHub PAT
- ② Fetches repositories and languages used
- ③ Queries Gemini AI for project recommendations
- ④ Displays relevant repositories and issues

Future Scope

- Improve AI-based recommendations
- Add filtering by difficulty level
- Expand to other coding platforms like GitLab

Conclusion

- Commit-Connect simplifies open-source project discovery.
- Helps developers contribute effectively.
- Future improvements will enhance personalization.