

Overview

The project showcases a Python-based Slackbot that automates AI content generation and report creation.

System Architecture

Includes Slackbot, Processing, Report, and Testing layers working in modular design.

Implementation Details

Flask backend processes simulated Slack requests and generates PDF reports.

Testing & Results

Local simulation validated the workflow and generated high-quality PDF output.

Features Implemented

Mock Slackbot, Flask server, content generation module, PDF export, testing script.

Pending Enhancements

Add Slack API keys, Render deployment, clustering, and SendGrid email support.

Conclusion

Demonstrates practical skills in Python automation, AI workflows, and Flask app development.