

Assignment: Build a Finance Agent

Objective:

Build an AI agent that will take some PDF documents as knowledge base and understands it completely. This AI agent would be integrated with slack and would only reply from within the knowledge base. You can use Ollama on local to build this application.

Steps for the Assignment

1. Slackbot Setup

- Register a Slack app via the [Slack API platform](#).
- Configure permissions to:
 - Listen to messages.
 - Post responses.
- Use Slack SDKs such as [slack_bolt](#) for Python.

2. Ollama Setup or ChatGPT assistant setup

3. Connect Ollama/Assistant with your backend API

4. Connect slack App with your API

Deliverables

1. Functional Slackbot

2. Video Explanation

- Demonstrate the bot's functionality.
- Explain architecture, API integrations, and fallback mechanisms.

3. Codebase

- GitHub repository with:
 1. Source code.
 2. [README.md](#) for setup instructions.

Grading Criteria

1. Functionality (40%)

- Accurate and dynamic responses based on API availability.

2. Code Quality (30%)

- Modular and well-documented.

3. **Video Explanation (20%)**
 - Clear and comprehensive.
 4. **Creativity and Effort (10%)**
 - Innovative features like multi-location support or enhanced responses.
-

Example Use Case

User Query(if your knowledge base is about HDFC bank balance sheet):

"What is the revenue growth seen in the last year?"

Slackbot Reply:

"HDFC's revenue has grown by XX% in last year from 1223 Crore INR to 2232 Cr INR."

Good luck! 🎉