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flow_along

This repository contains workflows and resources to build **domain-specific chatbots** using **n8n**.

Each use case demonstrates how to upload documents, extract and embed knowledge, and query through Telegram or Whatsapp or n8n chat.

Use Cases

1. Syllabus Advisor Bot

Domain: Education

- **Upload:** Subject-wise syllabus PDFs
- **Embedding Target:** Pinecone
- **Telegram Query Example:**

“What is the marks split for Maths?”

2. API Manual Helper

Domain: DevTools

- **Upload:** API manuals (PDFs)
- **Embedding Target:** Extract API methods, parameters, and examples
- **Telegram Query Example:**

“What’s the use of GET /users API?”

3. Meeting Summary Bot

Domain: Corporate Communications

- **Upload:** Meeting transcripts
- **Embedding Target:** Speaker actions & decisions
- **Telegram Query Example:**

“What did Ravi say about the budget?”

4. Resume Finder Bot

Domain: Human Resources

- **Upload:** Resumes (Google Drive or Local)
- **Embedding Target:** Skills and experience
- **Telegram Query Example:**

“Find Python + 3 YOE resumes”

5. Jira Docs Helper

Domain: DevOps / Product Management

- **Upload:** PRDs or Jira tickets
- **Embedding Target:** Stories & tasks
- **Telegram Query Example:**

“Which story involves frontend development?”



Tech Stack

- **n8n** – Workflow automation
 - **OpenAI / LLM** – Q&A and semantic search
 - **Pinecone** – Vector database for embeddings
 - **Telegram Bot API** – User interface for querying
 - **Google Drive / HTTP** – Document source
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Workflow Overview

1. **Document Upload** → Upload syllabus, API manuals, transcripts, resumes, or Jira docs.
 2. **Text Extraction** → Convert PDF, DOCX, or transcripts into plain text.
 3. **Chunking & Embedding** → Split text into smaller parts and embed into **Pinecone**.
 4. **Telegram Query** → User asks questions → workflow retrieves context → LLM generates answers.
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Getting Started

1. Clone the repository:
Import workflows (.json) into n8n.

Configure environment variables:

OPENAI_API_KEY

PINECONE_API_KEY

TELEGRAM_BOT_TOKEN or WHATSAPP

Upload relevant documents for each use case.

Start querying via Telegram bot.




Example Queries Education: “What is the marks split for Maths?”

DevTools: “What’s the use of GET /users API?”

Corp Comms: “What did Ravi say about the budget?”

HR: “Find Python + 3 YOE resumes”

DevOps: “Which story involves frontend development?”

 Contribution Feel free to fork, enhance workflows, and raise pull requests. Each use case can be extended with additional domains and data sources.