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## flow\_along

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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.

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## Use Cases

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### 1. Syllabus Advisor Bot

**Domain:** Education

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

“What is the marks split for Maths?”

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### 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?”

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### 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?”

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### 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”

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### 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?”

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# Tech Stack

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- **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

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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

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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.