

# AI Engineering Intern Assignment (Pick any one of the below 2 Projects)

To evaluate your ability to build real-world AI solutions using modern tooling and reasoning, please choose **one** of the following two short projects. Each should take **no more than 1–2 hours**, especially with the help of coding assistants like cursor-

## Project Option 1: AI Agent for Document-Based Q&A

### Problem

Our company has **hundreds of internal Word documents** containing important product, business, and tech information. We want an **AI agent that can answer user queries solely using these documents**, and not hallucinate beyond them.

### Your Task

Build a working prototype that:

- Takes a question as input
  - Searches through the corpus of documents based on question
  - Returns a grounded, relevant answer using only the content in those documents
  - Avoids answering when relevant information is missing
  - Show sources (file name + excerpt) for any answer
  - Use streamlit as UI
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## Project Option 2: Drag-and-Drop Agentic UI Platform (Bonus points if this project is chosen)

### Problem

We want to empower our **non-technical teams** to create AI workflows themselves by dragging and dropping **AI agents** and **tools** into a simple UI canvas and wiring them together visually.

### Your Task

Build a basic prototype that:

- Includes a minimal UI
- Has **1 agent** (e.g., a summarizer or Q&A bot)

- Has **1 tool** (e.g., search Google, send an email, query a mock database).
  - Lets a user visually connect the tool to the agent and run the workflow through the UI
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## Submission Guidelines

- Pick only one project.
- Share a GitHub link with instructions to run the code
- Include a short README explaining:
  - What you built
  - Tools and models used
  - Anything you'd improve with more time (optional)

**The following interview will be based on this project and your understanding of the code.  
Happy coding!!**