

NIYAMR AI – 48-Hour Full-Stack Developer Assignment (Super Simple)

Your Task:

Build a very simple web app that checks a PDF using LLM logic.

The app should do only 3 things:

1) Upload a PDF

User uploads any PDF (2–10 pages).

2) User Enters 3 Easy Rules

Examples:

- “The document must have a purpose section.”
- “The document must mention at least one date.”
- “The document must define at least one term.”
- “The document must mention who is responsible.”
- “The document must list any requirements.”

These are the type of rules your app must understand.

3) App Checks the PDF Using an LLM

For each rule, your app should:

- Ask an LLM (any model you choose)
- Decide: PASS or FAIL
- Show 1 evidence sentence
- Show short reasoning
- Show confidence score (0–100)

Example Output:

```
{  
  "rule": "Document must mention a date.",  
  "status": "pass",  
  "evidence": "The document contains the sentence 'The meeting is scheduled for Friday, May 12th' which provides the date information.",  
  "reasoning": "The rule specifies that the document must mention a date, and the provided evidence shows that the date is explicitly stated.",  
  "confidence": 95}
```

```
"evidence": "Found in page 1: 'Published 2024'",  
"reasoning": "Document includes a publication year.",  
"confidence": 92  
}
```

What to Build:

Frontend:

- Upload PDF button
- 3 text inputs for rules
- “Check Document” button
- Table showing results

Backend:

- Extract text from PDF
- Send text + rules to an LLM
- Return PASS/FAIL + evidence + reasoning + confidence

Deliverables (48 hours):

1. GitHub Repo (frontend + backend)
2. README with instructions
3. One screenshot of the working UI