AI Task Details:

Goal: Test ability to build full-stack, solve real problems, and work with new tech

Project topic:
Build a simple AI-powered note-taking app

To build a simple AI-powered note-taking application for users who want to capture, store, and summarize important information.

The key value for the user:
"I want to upload or paste a note, and quickly get a summary so I can revisit the main ideas without reading everything again."
Think of this as an MVP (Minimum Viable Product) for students, professionals, or researchers who deal with long texts and want instant summaries to save time.
Backend: Use FastAPI/Flask/Django (your choice)
Frontend: Use React + Vite / Angular
Features:
Auth (mocked is fine)

Upload text or paste a note

Store in PostgreSQL/MySQL

Integrate with LangChain to summarize the note

Store and search notes using Pinecone (optional, bonus)

[Login Page] -> [Dashboard]

├── Upload or Paste Note

├── View AI Summary

└── See Previous Notes

You can use https://build.nvidia.com/ or https://pollinations.ai/ with Langchain, these sites offer free tier LLM suitable for demo.

Bonus: Host on AWS (Elastic Beanstalk, EC2, or render.com is fine)

📌 **Deliverables:**

GitHub repo with README (clear instructions) / Zip

Short video recording (max 3 min) explaining what they built