Project 2

AI Powered Notes Summarizer

Categories of Users:

1. Students

Summarizing lecture notes and textbooks.

2. Researchers and Academics

Condensing research papers and articles.

3. Business Professionals

Simplifying meeting notes and reports.

Use Cases:

Student:

Uploads lengthy lecture notes to generate concise summaries for revision.

Highlights key concepts and definitions.

Researcher:

Inputs journal articles to extract main findings and methodologies.

Saves time by getting summaries of multiple papers.

Business Professional:

Converts meeting transcripts into action items and key takeaways.

Shares summaries with team members.

Key Feature: Automated Text Summarization with Keyword Extraction

Prototype Description:

Upload/Input Interface:

Supports text input, file uploads (PDF, DOCX), and image to text (OCR).

Summary Output:

Generates a summary with highlighted keywords and key sentences.

Option to adjust summary length (e.g., 25%, 50%, 75% of original text).

Interactive Summary:

Clickable keywords leading to their context in the original text.

Visual aids like bullet points and headings for clarity.

Save and Export:

Save summaries within the app or export as PDF, Word, or text files.

Share functionality via email or messaging apps.

History and Library:

Access to previous summaries and uploaded documents.

Organize summaries into folders or categories.

Settings:

Language options and summarization preferences.

Privacy settings for data handling.

Product Vision Statement:

"Our vision is to empower students and professionals by providing innovative tools that enhance learning, collaboration, and personal wellbeing, ultimately fostering a more productive and balanced lifestyle."