In the past several weeks, I have been playing with (mainly Gemini) to see if we can visualize our scriptures. **None of these are complete OR ready to deploy as I know there are AI introduced errors.**

1.Gita Connections
Purpose: Bring out Chapter breakdown, Important verse in chapter and Why this chapter/topic was spoken (connection to previous Chapter). Support Tamil/English
Input: BGNotes3.1 (connections and chapter breakdown), 108 Important Gita Verse
Output and Status: Single HTML file (with both language Support)
Issues: Tamil does not work on IOS
Next steps: None

2.TTS - tamil output
Purpose: Text to speech using azure - support batch mode and multiple languages
Process: Python code using StreamLit framework - Gemini Pro was used to generate the code
Input: For the pilot used Gita-Tamil in UTF-8 Text Format (also Valmiki Pattabhishekam chapter and many more)
Output and Status: Have 18 files for tamil and a combo- looking for a good telugu translation source txt file. isopanisad-tamil & tamil-Rama-pattabishekam (valmiki)
Issues: Need to be UTF-8 text - PDFs with custom fonts are hard to convert to UTF-8 txt
Next steps: The more txt we can get - the more audio i can generate (Free tier on Azure is 50k words a month - beyond that the cost is fairly low)

3.Krishna Family Tree
Purpose: Interactive way to view (traverse) the Family tree from Lord Brahma to Lord Krishna - Supports English and tamil
Process: A JPG with the tree is OCR'd by gemini and JSON files are created - Gemini created a Python code to generate final HTML
Input: Original image is from 1992 BTG - converted to JSON
Output and Status: single HTML file
Issues: Might have issues with IOS -
Next steps: None

4.Cards 1 - Canto 9 characters
Purpose: Game cards for Srimad Bhagavatam Canto 9 (English and tamil)
Process: JSON based text (generated by Gemini) - Python code generated by Gemini to create cards - Graphics generated by nano banana pro
Input: Whatever gemini is trained on
Output and Status: Card JPG's and PDF.   English PDF   Tamil PDF
Issues: Final text not verified - i have spotted at least one AI mistake
Next steps: redo with vedbase.io content

5.Cards 2 - SB Canto 11 - 24 Gurus
Purpose: Game cards for Srimad Bhagavatam - Canto 11- Uddhava Gita - 24 Gurus from Nature
Process: JSON based text (generated by Gemini) - Python code generated by Gemini to create cards - Graphics generated by nano banana pro
Input: Whatever gemini is trained on
Output and Status: Card JPG's and PDF English-PDF & Tamil-PDF
Issues: Final text not verified
Next steps: redo with vedbase.io content

6.Ramayana Characters
Purpose: Simple way to learn Characters from Ramayana and what their name means, Context they get introduced, Lessons to learn and their Virtue - English/Tamil
Process: Gemini generated CSV with proper group (Ayodhya, Mithila, Kishkinda, Lanka, etc) - Python code to read CSV and generated the chart
Input: AI generated CSV file
Output and Status: Single HTML file
Issues: IOS might have issues
Next steps: None

7.Chaitanya Mahaprabhu Interactive south India Travel Map (20 min project) !!!!
Purpose: Asked gemini to OCR an old map - Includes modern location name, pastime and pointer to Cc: - English and Tamil -
Process: Gemini OCR'd the PDF image and generated an JSON file and also a python code to create a HTML file
Input: OCR original PDF to JSON
Output and Status: single HTML File https://mahaprabhu-map.tiiny.site
Issues: IOS might have issues
Next steps: None