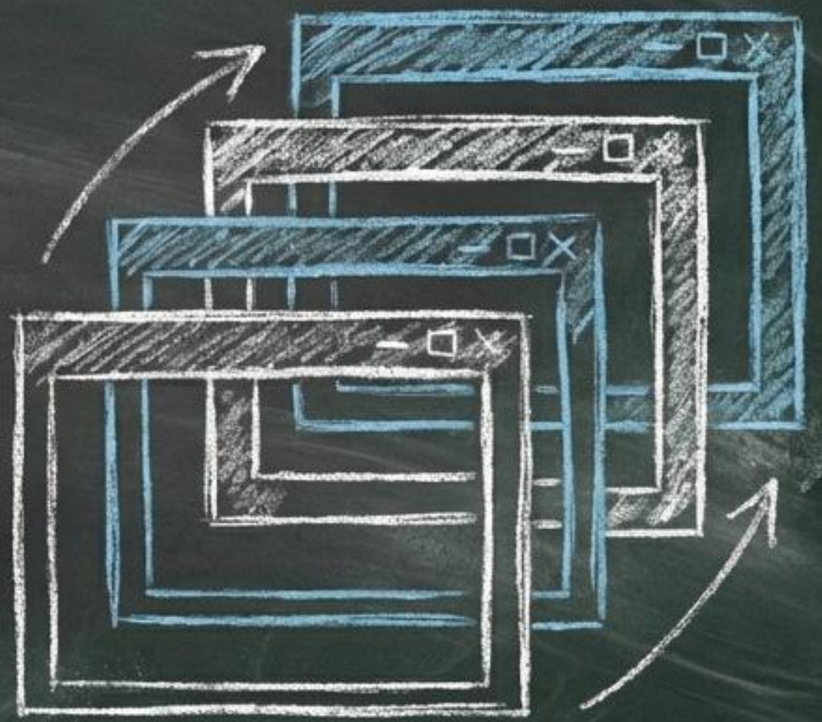
Slide Decks from AI Images

How this repo turns outlines into finished slides



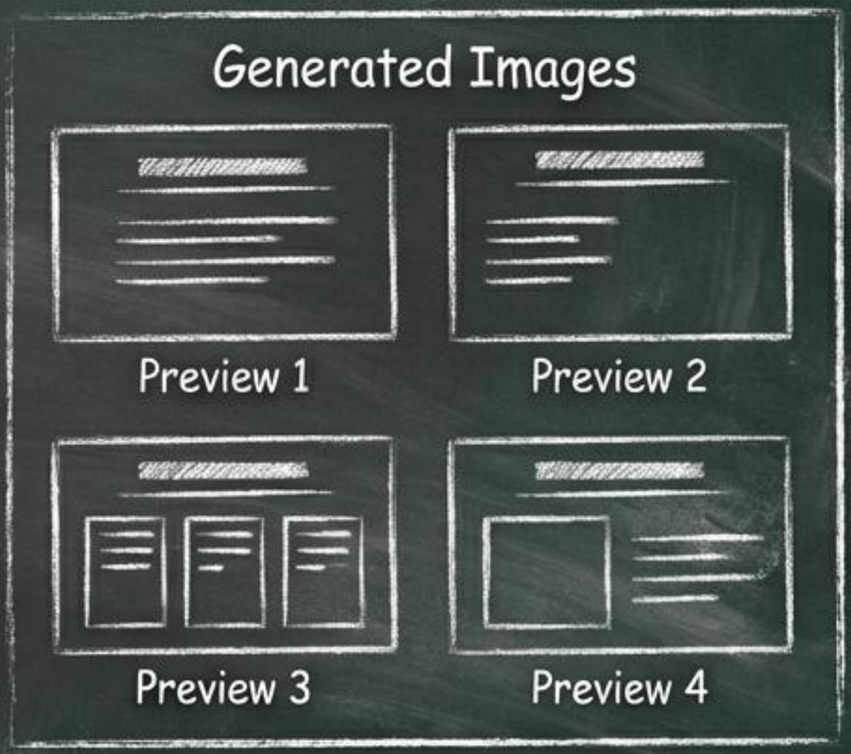
What this repo is for

From hand-built decks to rendered decks

What this repo does

High-level overview

- You write an outline of your talk as structured YAML
- Each slide has a title, text, layout hints, and optional assets
- The Python tool builds prompts and calls Gemini to generate images
- The result is a folder of ready-to-present slide images



Old vs new workflow

Why bother?

Old way

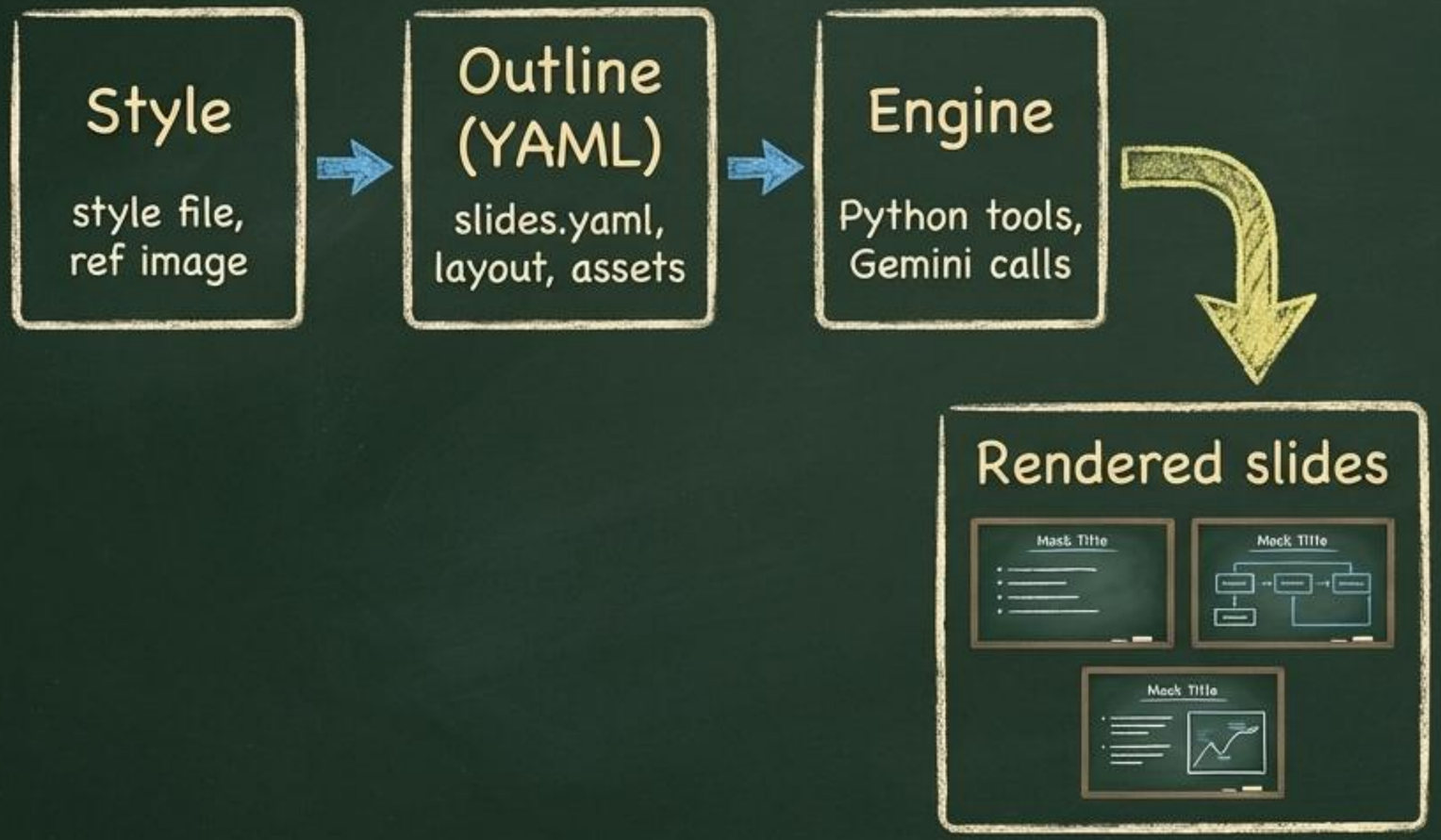
- Build each slide manually in PowerPoint
- Search for icons, tweak layouts, align boxes
- Style drifts → between slides and projects

New way

- Define style once in a style file
- Describe slides in YAML (titles, bullets, visuals)
- Batch render ↓ consistent slide images with one command

How the pipeline works

Style, outline, engine

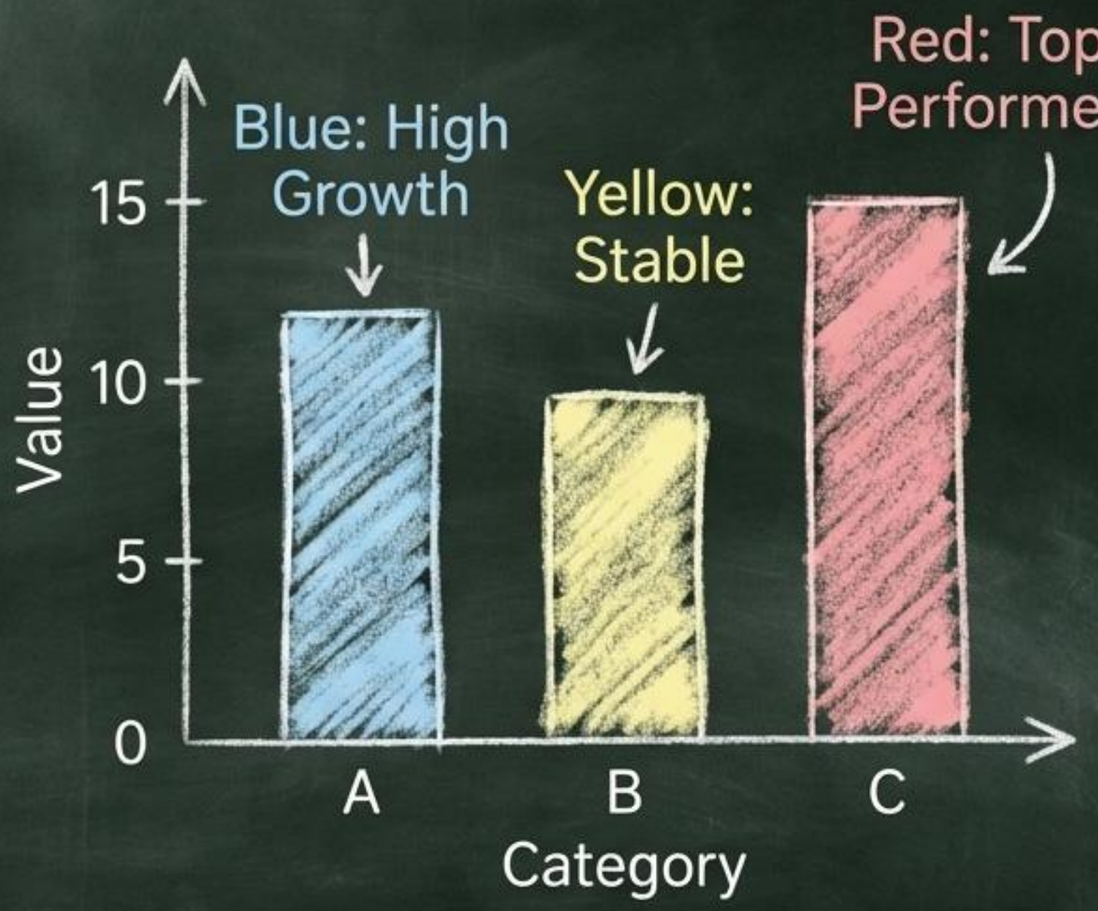


- Style: a style file (e.g. modern_academic) and a reference image
- Outline: sl.ides.yaml with titles, text, layout and assets
- Engine: Python tools that call Gemini to render each slide
- Output: generated_slides/ images + HTML viewer

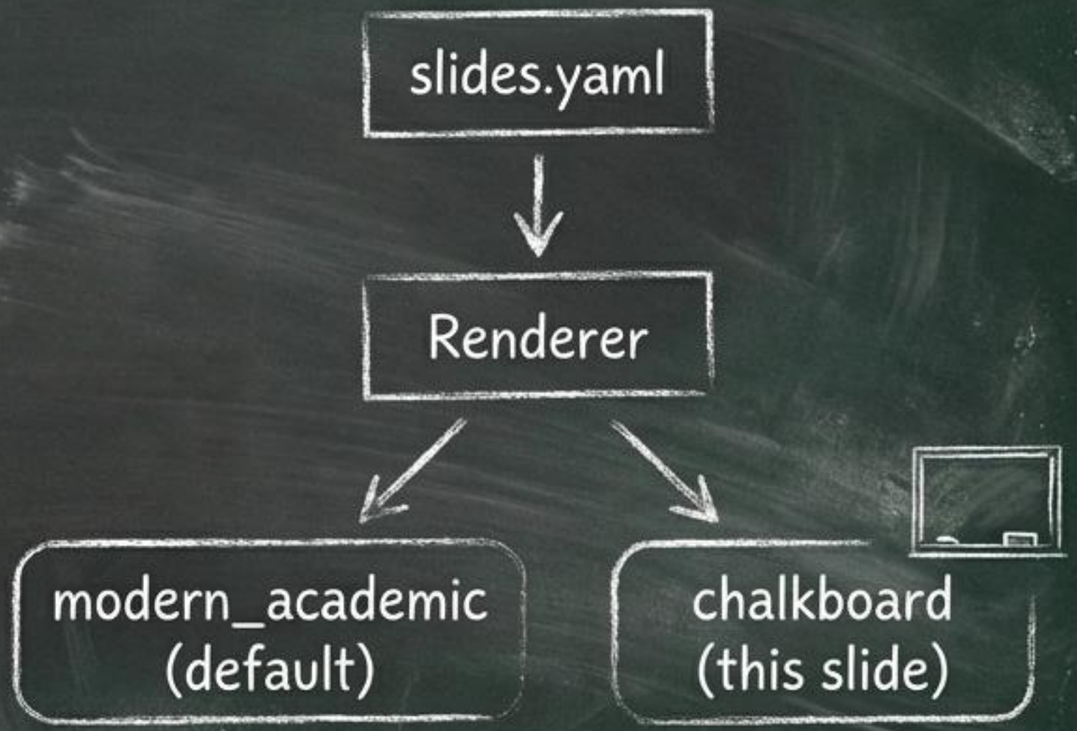
Example rendered slide

(image-only demo)

- First point:
  Concept introduction
- Second point:
  Key data points
- Third point:
  Future applications



Alternative style: Chalkboard

Same repo, different look

- Swap style: use chalkboard instead of modern_academic
- Keep the same slides.yaml structure and content
- Get a completely different visual feel automatically
- Useful for teaching, workshops, or informal talks