GitHub Project Structure for GenAI PM Prep

Weeks 1–4: Foundation (LLMs, Embeddings, RAG)

- Learn LLMs & Embeddings Basics - Study transformers, embeddings, vector DBs. Deliverable: Notes + reference slides.
- Demo: Enterprise Knowledge Chatbot (RAG) - Build chatbot with product docs/manuals using Azure OpenAI/Vertex AI + vector DB. Acceptance: ≥80% accuracy.
- Repo Setup & Documentation - Create GitHub repo with README + architecture diagrams.

Weeks 5–8: Application (Automation, Agents, Fine-tuning)

- Demo: AI Ops Ticket Generator - Ingest Splunk logs/error events → auto-create Jira tickets. Show anomaly detection integration.
- Demo: Virtual SaaS PM Assistant (Multi-Agent) - Agents for roadmap Q&A;, SQL generation, PRD drafting.
- Demo: Domain-Specific Support Bot (Fine-tuning) - Fine-tune LLM on anonymized SaaS support tickets. Compare accuracy vs base LLM.

Weeks 9–12: Differentiation (Analytics, Responsible AI, SDK)

- Demo: Chat with Your SaaS Data (NL → SQL) - Query churn/usage data in natural language. Show BI integration (PowerBI/Looker).
- Demo: Responsible AI Dashboard - Track hallucinations, bias, toxicity. Add compliance flags (GDPR/CCPA).
- Demo: GenAI SDK Starter Kit - Package chatbot pipeline as SDK with APIs + docs. Show adoption metrics.
- Final Interview Deck + Blog Post - Slide deck (Vision, Execution, Impact). Blog: Responsible GenAI for SaaS – Lessons Learned.

Suggested Labels

type:learning, type:demo, type:writing, type:deck, phase:foundation, phase:application, phase:differentiation

GitHub CLI (Sample Command)

```
gh issue create --title "Demo: Enterprise Knowledge Chatbot (RAG)" --body "Build chatbot with Azure OpenAI/Vertex AI + vector DB. Acceptance: ≥80% accuracy on test queries." --label "type:demo,phase:foundation" --milestone "Weeks 1–4: Foundation"
```