

5. Code Review Assistant

Objective:

Automate code reviews by analyzing structure, readability, and best practices.

Scope of Work:

- Input: Source code file(s)
- Output: Review report with improvement suggestions
- Optional dashboard to upload & view reports

Technical Expectations:

- Backend API to receive code files
- LLM integration for analysis
- Optional database for storing reports

LLM Usage Guidance:

- Prompt example: *“Review this code for readability, modularity, and potential bugs, then provide improvement suggestions.”*

Deliverables:

- GitHub repo + README
- Demo video

Evaluation Focus:

- LLM insight quality, code handling, API design, completeness