

Project Title : Project Revival AI – Bring Back Dead Student Projects

Team Name : HACAKIFINITY

Team Members (*Names + Roles Briefly*) : Pravalika Muthoju – AI/ML Engineer

Sanjana Bayya – Full Stack Developer

Sindhu Mididoddi – UI/UX Designer

Hari Priya Katherla – Product Strategist

Theme Chosen (*Web3 / AIML / Fintech / Healthcare / Open Innovation / EdTech*) : **AIML**

PROBLEM STATEMENT & TARGET AUDIENCE

Problem We're Solving

- 75%+ CS students abandon at least one project
- Lack of mentorship, clarity, or direction halts progress
- Wasted potential — great ideas never completed
- No tool exists to revive, fix, or guide such projects
- Students lose confidence, efforts go unseen

Target Users

- Tech students (B.Tech / M.Tech / BCA / MCA)
- Educators & mentors in academic settings
- B2C model – supports individual students directly
- Ideal for final-year projects, hackathon ideas, personal builds

OUR UNIQUE SOLUTION

Key Features

- Upload ZIP file, GitHub repo, or documentation
- AI scans and detects what's missing or incomplete
- Step-by-step revival roadmap generated
- “Find Collaborators” based on project domain

Why It's Different

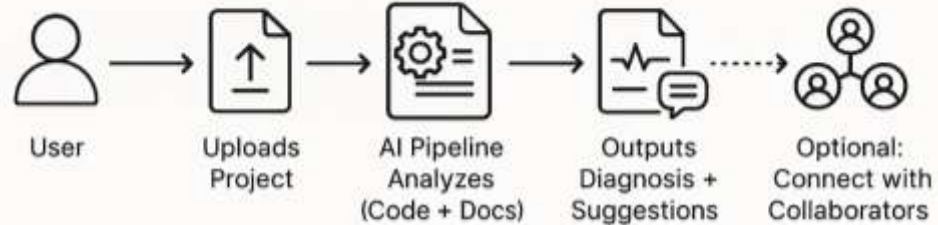
- Goes beyond version control—diagnoses root causes of failure
- Merges AI-powered gap analysis with practical next steps
- Community-driven: links students with potential collaborators
- Project failure prediction
- Revival strategy based on code + docs + trends

TECH STACK + ARCHITECTURE

Tech Stack

- Frontend: React.js
- Backend: Flask + FastAPI
- AI Models: GPT-4 + Custom Code Analyzers
- Database: PostgreSQL + Firebase Auth
- Collaboration: WebSockets, REST APIs

Architecture



Feasibility

- Skilled team with ML, full-stack, and UX experience
- Use of existing AI models and APIs speeds up development
- MVP can be built in 36–48 hrs

Showstoppers

- Blocker: Poorly structured uploads
- → Fix: Step-wise guided upload + parsing
- Blocker: Generic AI not suited to student projects
- → Fix: Fine-tuned models + academic templates

Important Pointers

1. You may change the current layout (boxes/sections), but ensure all required content is included.
2. Keep your submission to **a maximum of 5 slides**, including the **Title Slide**.
3. It's recommended to put your ideas in **bullet points**.
4. Focus on the **core idea** – keep it crisp and avoid over-explaining.
5. **Do not change the title bar** (project name, team, etc.).
6. Ideas must be **original and not copied** from existing solutions.
7. Save and submit your file as a **PDF** only. Other formats will not be accepted.