




How to Explain Your Own Project

1. Start with the Why: The Problem & Motivation



“Why did I build this?”

- Begin with the real-world problem or urgent need your project addresses.
- Use a clear 1–2 sentence problem statement (e.g., "Pandemics often remain undetected until too late. PandemicGuard helps change that.")
- Mention inspiration: a news event, personal experience, curiosity, or insight from research.
-  Use high-impact words: underreported, critical, overlooked, inequity, urgent need, global relevance

2. Clearly State Your Research Question & Objectives

✖ “What exactly did I try to find, build, or prove?”

- Mention your main question or goal in one line:

“Can AI forecast the early signals of a global pandemic using public digital health data?”

- Follow with your sub-objectives: model development, real-time dashboard, ethical safeguards, etc.


3. Explain Your Method in a Clear & Smart Way

⚙ “How did I build it?”

- Show that you can think like an engineer and a researcher.

Break it into 3 stages:


- Data: Where did you get it? Why is it credible? What preprocessing did you do?
- Model/Approach: What AI/ML or algorithmic logic did you apply? Why was it suitable?

- Tools: Python, Streamlit, BioBERT, time series forecasting — mention them if you used them for a purpose.
-  Avoid buzzwords overload. Focus on clarity + intent.

4. Visuals & Demonstration: Make it Real



“What does it look like?”

- Show screenshots, visuals, graphs, or diagrams — don't just describe, demonstrate.
 - Use your dashboard, visualizations, or a live demo link (if possible).
 - “Here's how a user would experience the project” – show a short use-case.
-  . It shows you're human-centered.

5. Highlight Results and Insights




“What did I discover or prove?”

- Don't just show that the model “works” — tell what your key insights were.

Example:

“Our AI flagged 17 anomalous clusters from social signals a week before any major health alert system.”

-  Use data-backed outcomes (e.g., F1 score, accuracy, speed improvement, early signal time window, etc.)

6. Talk About Impact & Ethics



“Why does this matter — and is it safe/responsible?”

What social good can this bring?

What ethical care did you take (bias, privacy, transparency)?


- Tie your work to larger social systems: public health, vulnerable populations, global equity.

7. Finish With Future Directions

 “What’s next?”

- Show humility and ambition:

“We plan to integrate genomic surveillance data and collaborate with health departments.”

- Mention how others could build on it — open source, collaboration, competitions.
-  Show you're someone who builds for the long-term, not just for a one-time project.

Bonus: One-Line Elevator Pitch

"PandemicGuard is an AI-powered system that detects early signs of future global pandemics by analyzing real-time public health and digital data—bridging technology, biology, and ethics to safeguard global health."