



Hackathon Summer Edition 2025

Team



GIUSEPPE BERARDI

Dashboard &
data cleaning



LEON ASTNER

LLM researcher



MIRKO BANDELLO

LLM trainer



SIMONE CALLONI

Creative mind &
presentation

WeGrow

AI-based tool that simulates and visualizes plant growth under varying environmental conditions. By combining environmental data and an image, WeGrow generates realistic images showing how the plant would evolve over time.

Goal:

- Use only open-source and free software for the entire pipeline.

Expected impact:

- Encourage broader use of AI in eco-tech and smart farming solutions.

How we solved the challenge

- Developed a **Python dashboard** with interactive sliders to simulate environmental conditions.
- Used a **baseline image** of the plant and generated predicted growth outcomes using an AI pipeline.

Demo prototype/solution

- afterwards