



SkillBloom+ : AI & Web3-Powered Skill Sharing & Reforestation

Concept

Users **learn & teach skills** → AI **tracks engagement & progress** → **A digital plant grows** as users contribute → **Top contributors earn real-world rewards** (Tree plantations, NFT badges, or exclusive perks).

Users can also **fund reforestation** by buying virtual seeds (Web3/NFTs), which are converted into **real tree plantations** with AI-optimized locations.

Business Model:

Company Sponsorships (Primary Revenue Stream) – Carbon Offset Credits

- ✓ Businesses can **sponsor tree plantations** to earn **carbon offset credits** for sustainability goals.
- ✓ These credits can be tracked via **blockchain-based certificates** and resold in **carbon credit markets**.
- ✓ Companies can also feature their brand as **"Green Sponsors"** on the platform.

Key Features

- ✓ **AI-Powered Learning** – Personalized skill recommendations & assessments.
- ✓ **Gamification** – Digital plant growth based on engagement & contributions.
- ✓ **Real-World Impact** – Top contributors get **real trees planted in their name**.
- ✓ **Crowdfunded Reforestation** – Users can **fund tree plantations** via NFT-based virtual seeds.
- ✓ **Blockchain Transparency** – NFT-based tracking of trees with GPS coordinates.
- ✓ **Smart Planting (AI)** – AI determines optimal locations for tree plantations.

✓ **Company Sponsorships** – Businesses can sponsor trees & earn **carbon offset credits**.

Tech Stack

- **Backend:** Spring Boot (User management, progress tracking, rewards, crowdfunding).
- **AI/ML:** OpenAI API/TensorFlow (Skill evaluation), Google Earth Engine (Smart planting).
- **Database:** PostgreSQL / MongoDB (User & tree data storage).
- **Frontend:** React.js + Three.js (Skill growth visualization, interactive maps).
- **Blockchain (Web3, Optional):** Solidity (Ethereum/Polygon smart contracts), IPFS (Tree data storage), Metamask (User authentication).

How It Works?

- 1 **Skill Growth:** Users contribute knowledge → AI analyzes learning → Digital plant grows.
- 2 **Rewards & Recognition:** Top contributors earn real-world rewards (Trees planted, NFTs, sponsorships).
- 3 **Reforestation Crowdfunding:** Users & companies buy virtual seeds → AI determines planting locations → **Drones, NGOs, or workers plant real trees.**
- 4 **Blockchain Transparency:** Trees are minted as NFTs with GPS coordinates & impact tracking.

This combines the **learning & skill-sharing gamification** of **SkillBloom** with the **Web3-powered reforestation** of **CrowdSeed**, making it a **tech-driven platform with real-world impact**.