🌿 Eco ChatBot – Eco-Friendly E-Commerce Assistant

Internship Project – Uplyft
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Objective and motivation

Encourage eco-conscious shopping using AI

Make product browsing easier with chatbot

Replace dropdown menus with conversational UX

Bridge frontend + backend using modern tech

♻️ Promoting sustainable and green alternatives

Features & Technologies Used

✅ Features:

Secure login/logout using Flask sessions

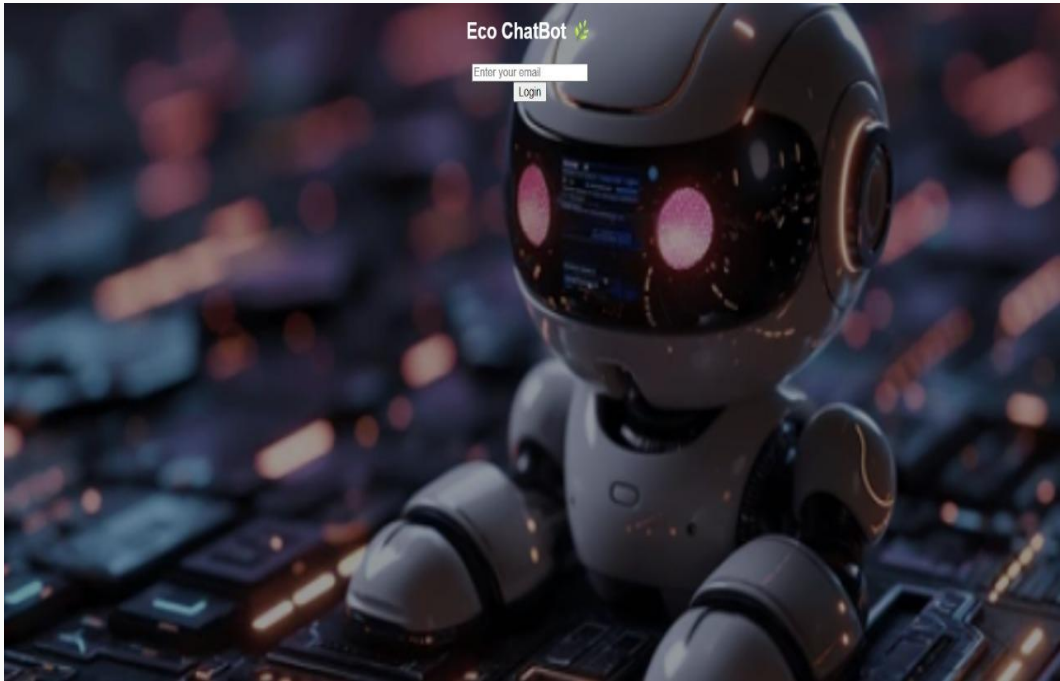
Natural conversation flow

Product suggestions on demand

Friendly UI with time-stamped messages

🛠️ Tech Stack:

React (Vite), Flask, SQLite ,CSS, REST APIs, Flask-Session



Frontend Chat UI

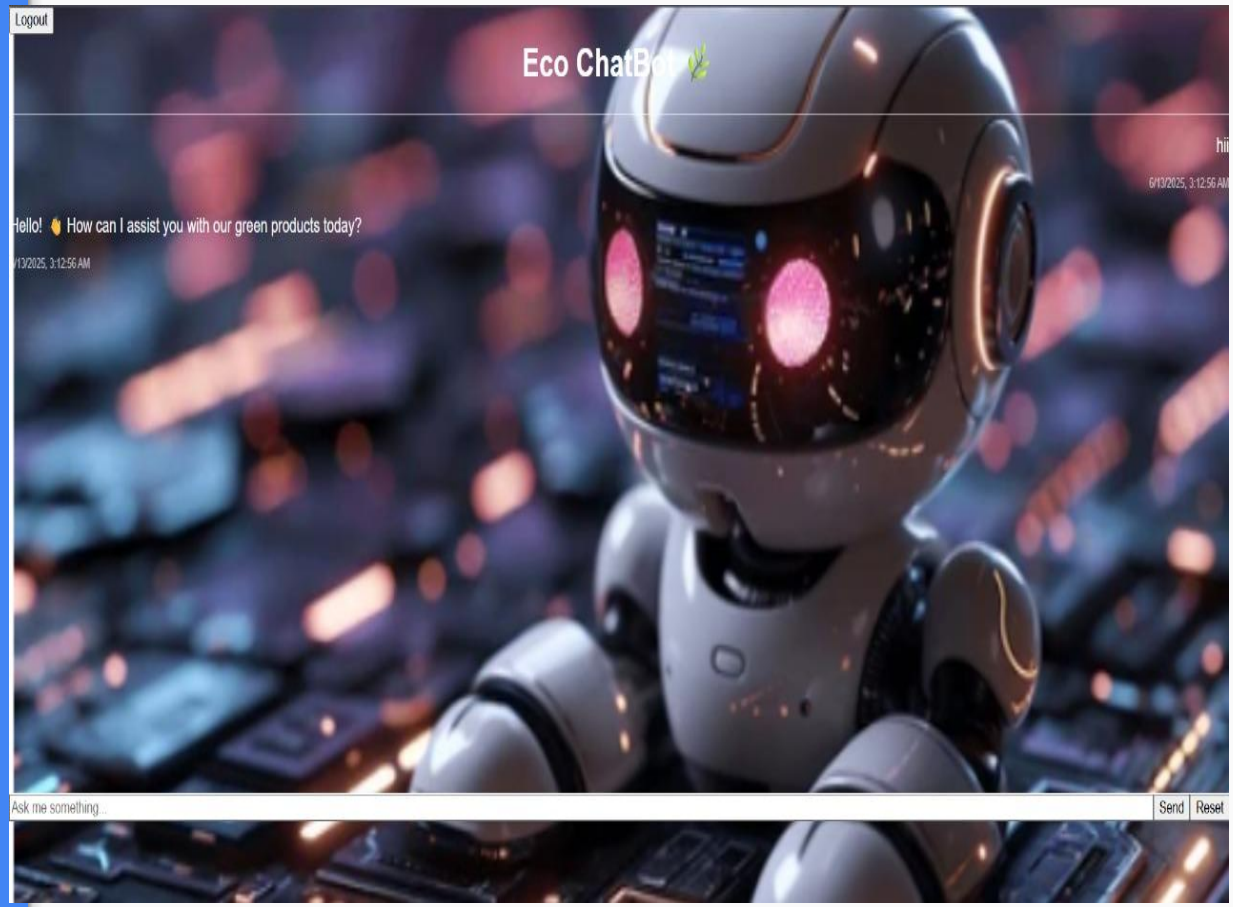
User Interface:

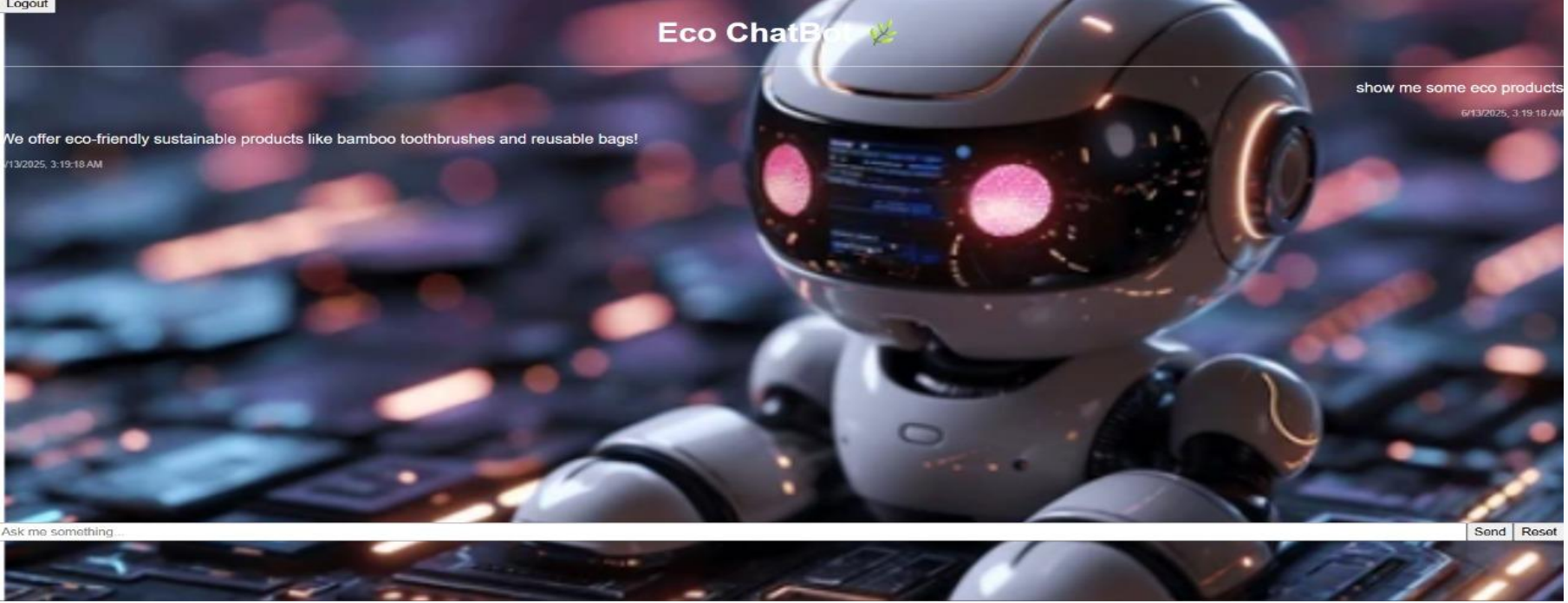
Clean and attractive React UI

User sees greeting + assistant question

Dynamic chat window updates on interaction

🗨️ Built using React functional components



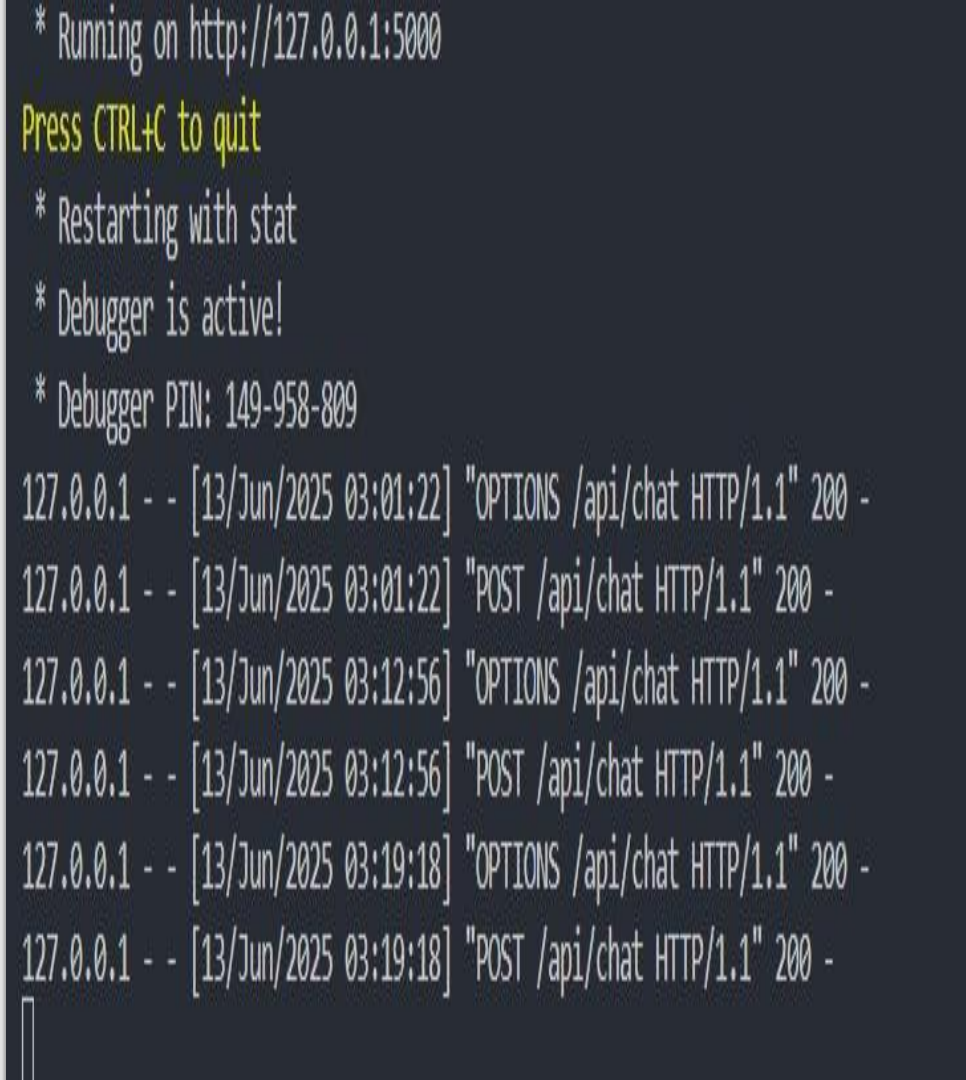


Product showcase:Product Display via Chat *User types: "show me some eco products"Bot replies with green product suggestions

Connected with SQLite DB through Flask 🔁 Shows working backend integration with frontend

Backend API & Server Log

⚙️ Backend Functionality:
Flask server runs at 127.0.0.1:5000
API endpoint: /api/chat
POST requests handle chatbot messages
Each prompt generates a 200 OK log✅ Terminal confirms backend & DB are active



Learnings & Outcomes

Key Learnings:

End-to-end full-stack integration

API request/response handling

Building chatbot using state & sessions

Debugging, UI flow, deployment concepts

🌱 Project teaches eco-awareness via tech!

Thank you