

Frontend code

JAVASCRIPT :

Const responses = {

“sustainable growth”: “We use real-time city models combining GIS, AI, IoT, and VR to

Simulate developments and assess their impact.”,

“vr”: “VR/AR visualizations help communities visualize future developments and provide

Feedback.”,

“inclusive”: “We build modular, solar-powered transit nodes that support electric vehicles

And pedestrians.”,

“ev charging”: “Yes, we integrate renewable energy-based EV charging points at transit

Nodes.”,”green tech”: “Green technologies include rain gardens, bioswales, and vertical green walls

To combat urban heat and flooding.”,

“smart irrigation”: “We use moisture sensors for smart irrigation, ensuring efficient water

Usage in green spaces.”,

“disaster resilience”: “AI systems help planners make data-backed decisions and predict

Future risks.”,

“citizen feedback”: “Our platform learns from community input and continuously improves

Planning strategies.”,

“governance”: “We ensure participatory governance with a transparent citizen dashboard and

Blockchain feedback tools.”,

“blockchain”: “Blockchain is used to secure voting and citizen feedback in urban planning.”,

“sentiment analysis”: “We analyze community sentiment to guide urban development

Priorities.”,

“zoning”: “AI models help simulate zoning impact and optimize resource allocation.”,

“real-time”: “We use IoT sensors to analyze real-time environmental and mobility data.”,

“app route”: “Yes, there’s an app for route planning and getting real-time transit updates.”,

“ecological zoning”: “GIS mapping helps identify zones for ecological preservation and green

Infrastructure.”

};

Function handleUserInput() {

Const inputField = document.getElementById(“userInput”);

Const chatBox = document.getElementById(“chatBox”); const userInput

= inputField.value.trim().toLowerCase();

If (!userInput) return;

// Show user message chatBox.innerHTML += <div

Class=“usermessage”>\${inputField.value}</div>;

```
// Generate response let response = "Sorry, I don't have an answer for that. Try asking
```

```
About sustainability, green tech, or governance."; for (const key in responses) { if
```

```
(userInput.includes(key)) { response = responses[key]; break;
```

```
}
```

```
}
```

```
chatBox.innerHTML += <div class="bot-message">${response}</div>;
```

```
chatBox.scrollTop = chatBox.scrollHeight; inputField.value = "";
```

```
}
```