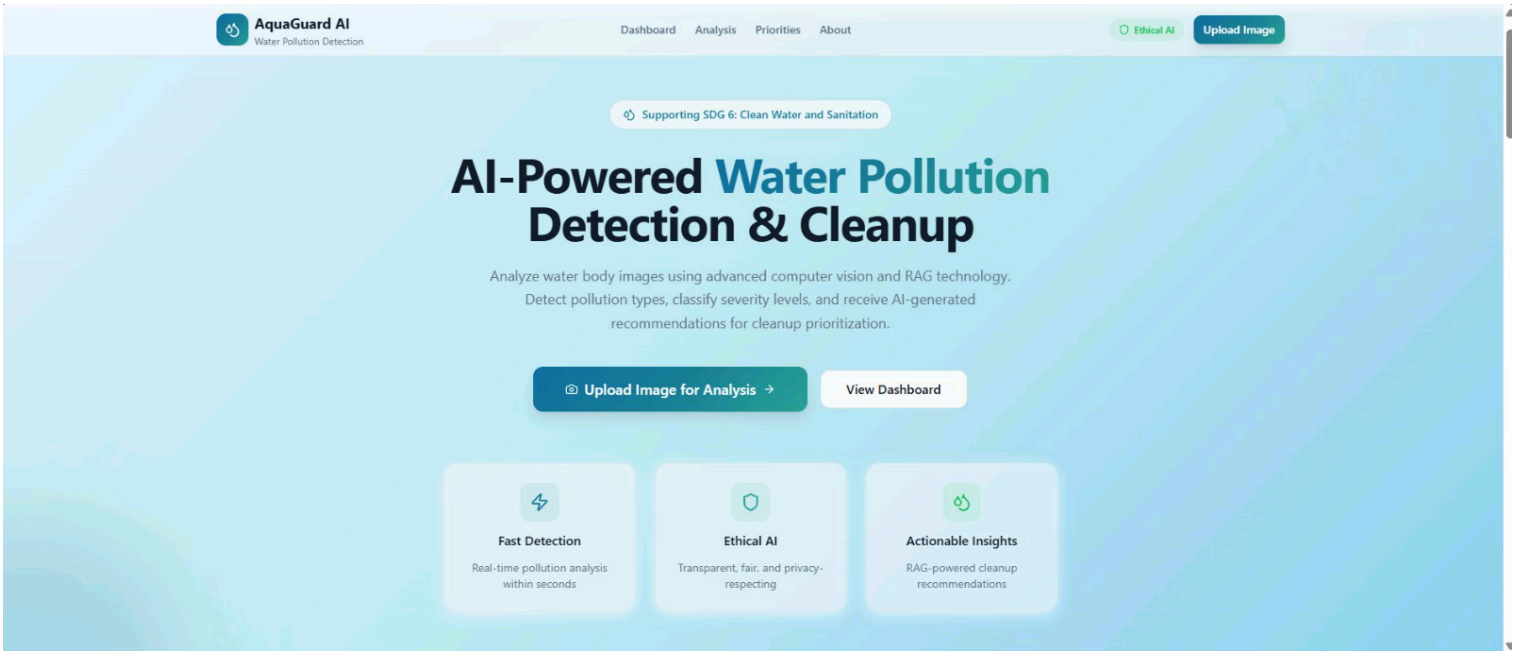
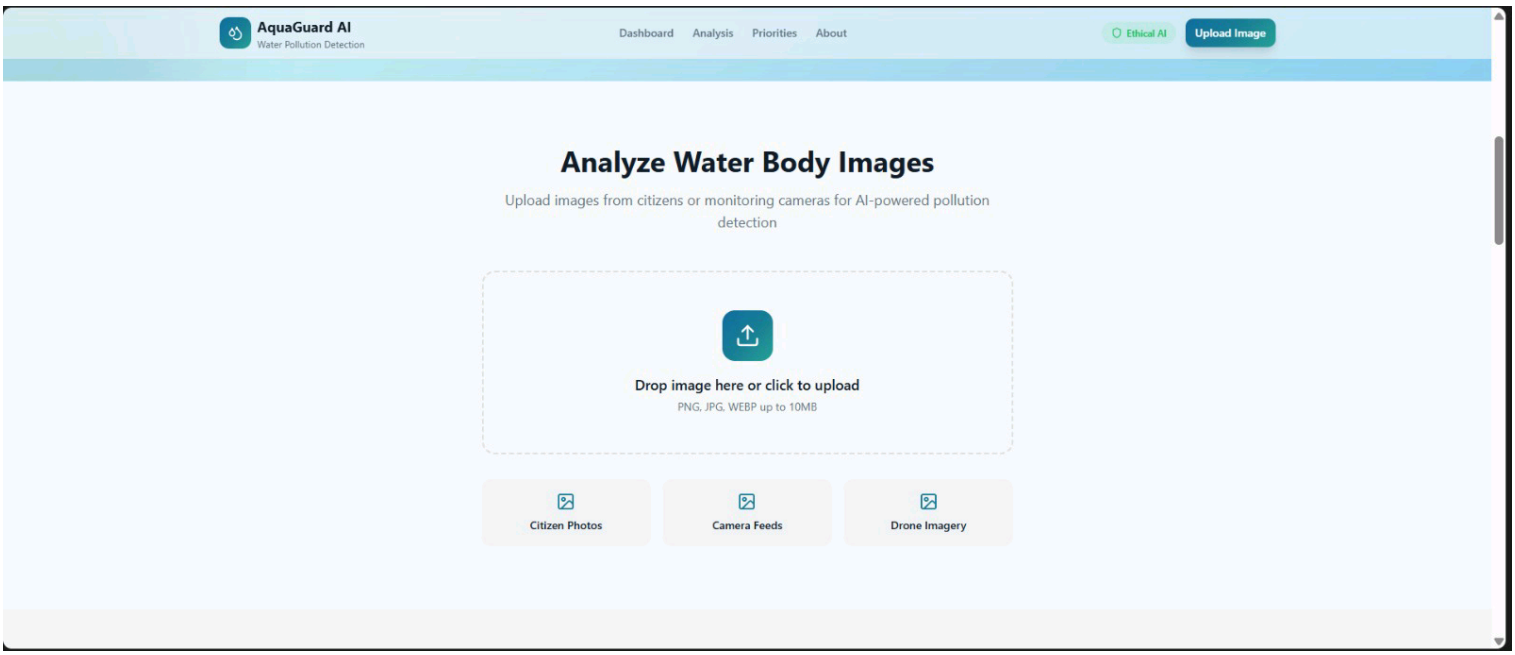
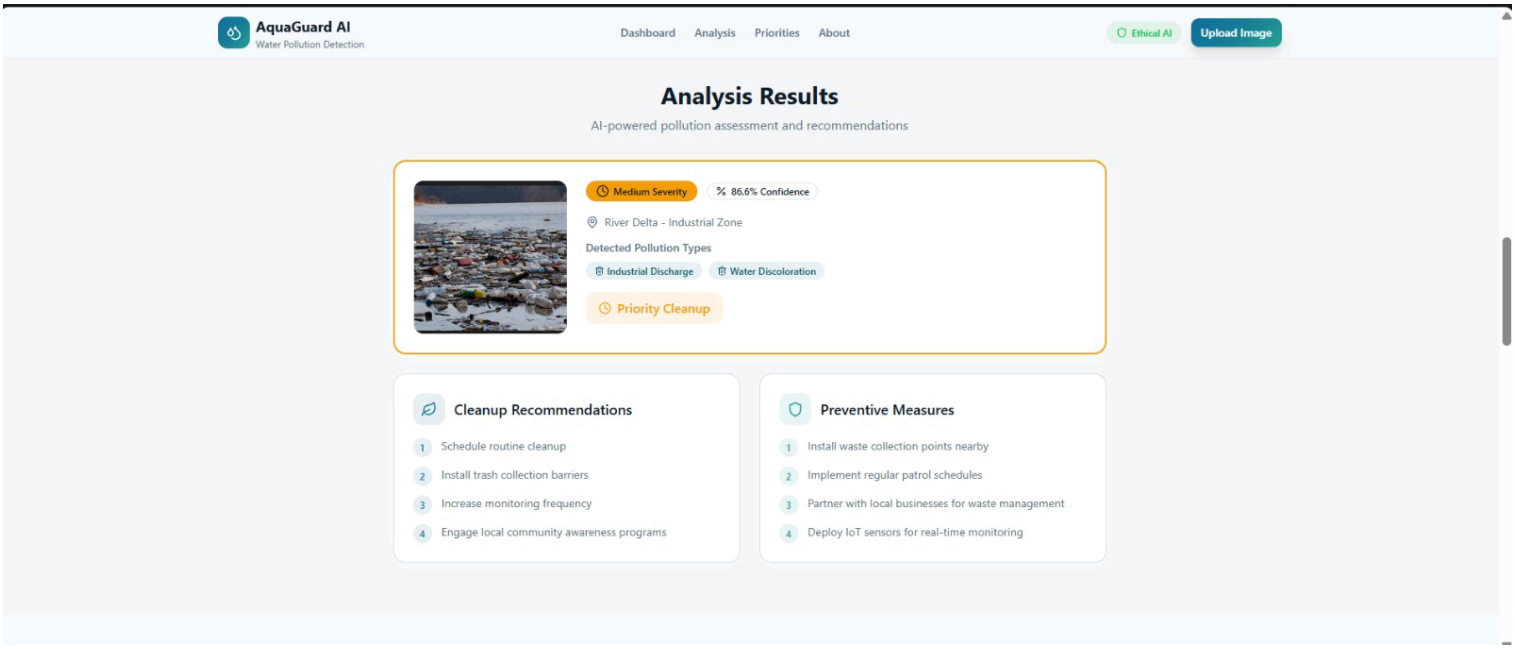
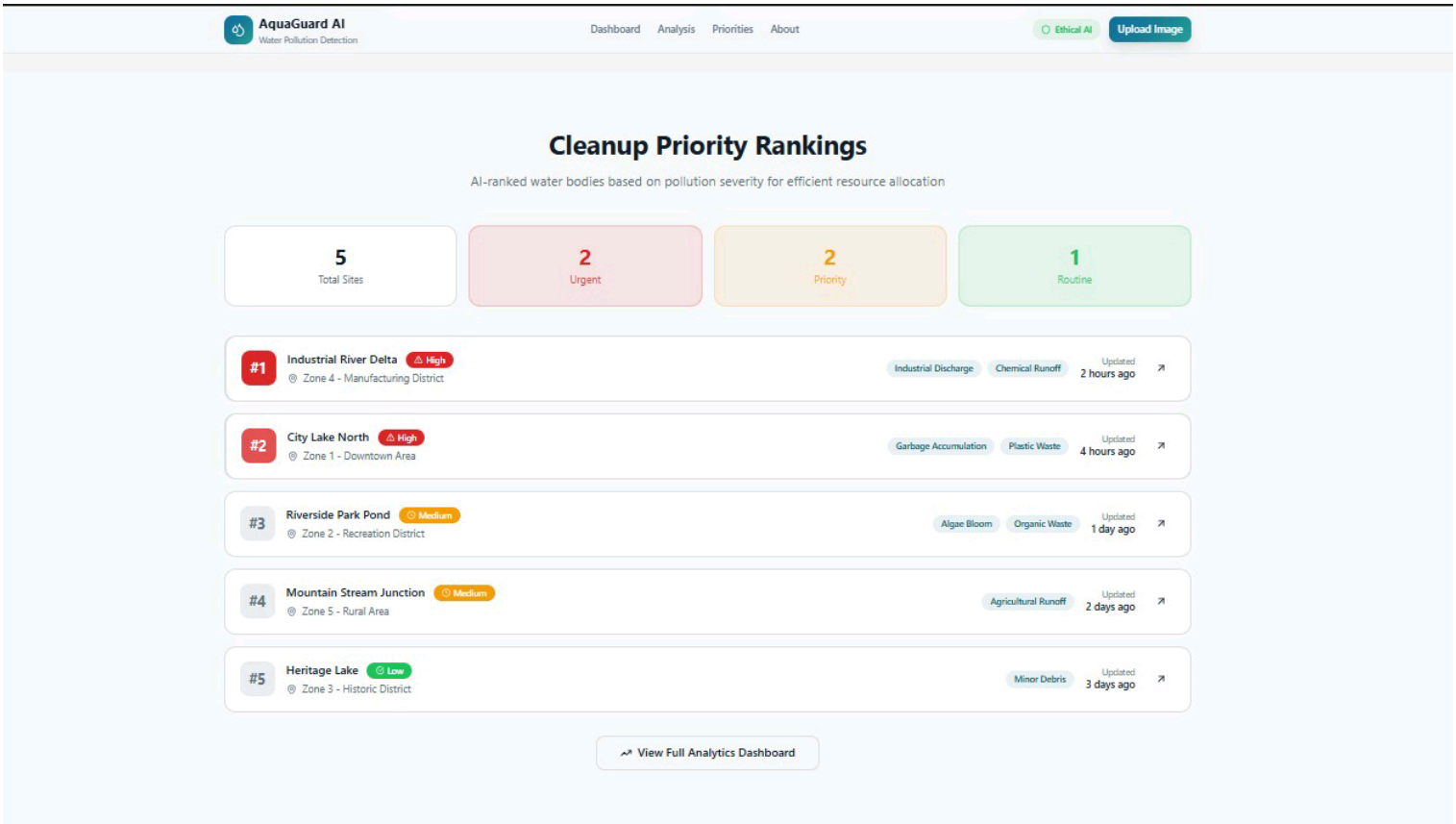
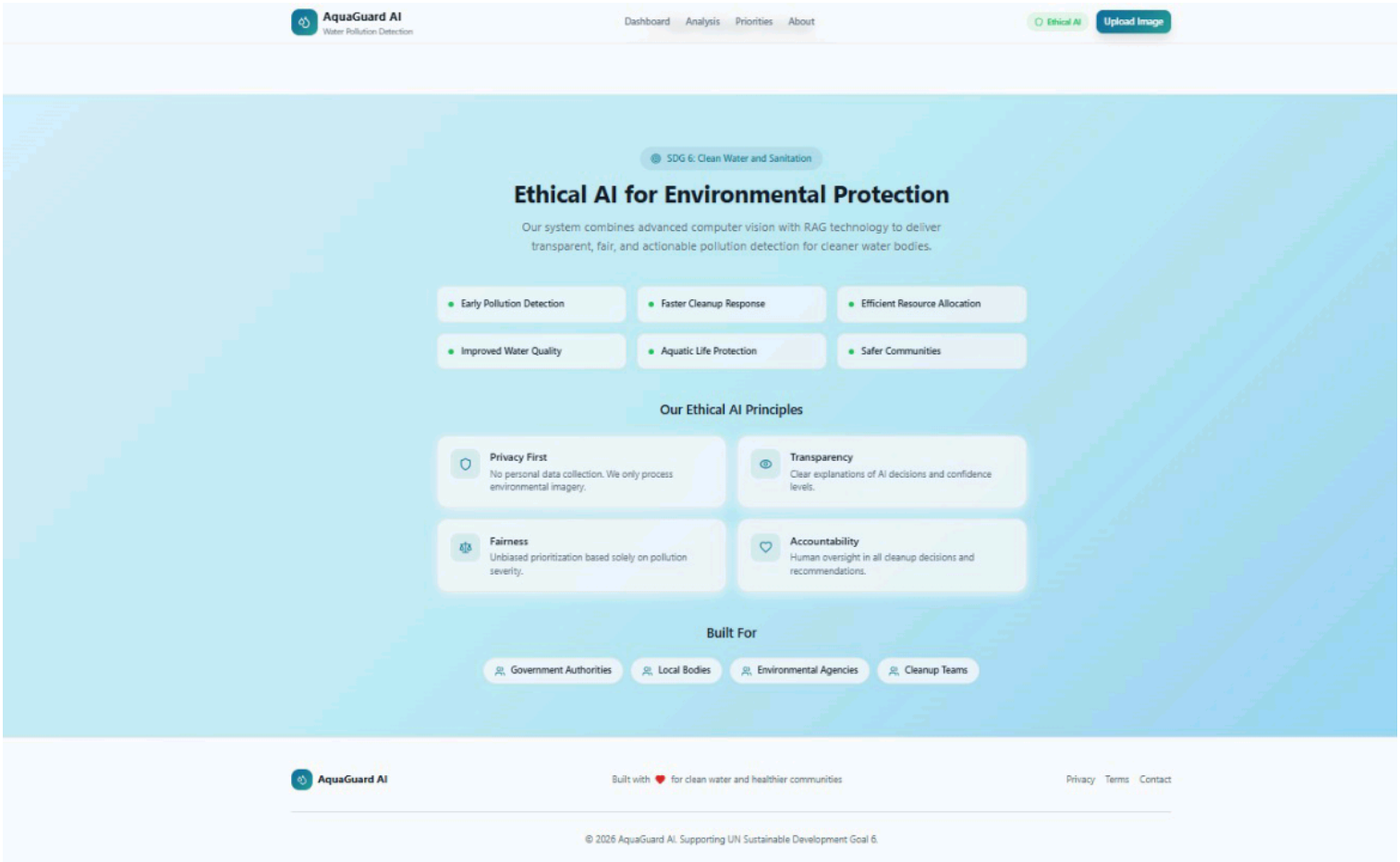

AquaGuard AI
Water Pollution Detection
Dashboard
Analysis
Priorities
About
Ethical AI
Upload Image
Supporting SDG 6: Clean Water and Sanitation
AI-Powered Water Pollution Detection & Cleanup
Analyze water body images using advanced computer vision and RAG technology. Detect pollution types, classify severity levels, and receive AI-generated recommendations for cleanup prioritization.
Upload Image for Analysis
View Dashboard
Fast Detection
Real-time pollution analysis within seconds
Ethical AI
Transparent, fair, and privacy-respecting
Actionable Insights
RAG-powered cleanup recommendations


AquaGuard AI
Water Pollution Detection
Dashboard
Analysis
Priorities
About
Ethical AI
Upload Image
Analyze Water Body Images
Upload images from citizens or monitoring cameras for AI-powered pollution detection
Drop image here or click to upload
PNG, JPG, WEBP up to 10MB
Citizen Photos
Camera Feeds
Drone Imagery


AquaGuard AI
Water Pollution Detection
Dashboard
Analysis
Priorities
About
Ethical AI
Upload Image
Analysis Results
AI-powered pollution assessment and recommendations
Medium Severity
86.6% Confidence
River Delta - Industrial Zone
Detected Pollution Types
Industrial Discharge
Water Discoloration
Priority Cleanup
Cleanup Recommendations
1 Schedule routine cleanup
2 Install trash collection barriers
3 Increase monitoring frequency
4 Engage local community awareness programs
Preventive Measures
1 Install waste collection points nearby
2 Implement regular patrol schedules
3 Partner with local businesses for waste management
4 Deploy IoT sensors for real-time monitoring


AquaGuard AI
Water Pollution Detection
Dashboard
Analysis
Priorities
About
Ethical AI
Upload Image
Cleanup Priority Rankings
AI-ranked water bodies based on pollution severity for efficient resource allocation
5
Total Sites
2
Urgent
2
Priority
1
Routine
#1
Industrial River Delta
High
Zone 4 - Manufacturing District
Industrial Discharge
Chemical Runoff
Updated
2 hours ago
#2
City Lake North
High
Zone 1 - Downtown Area
Garbage Accumulation
Plastic Waste
Updated
4 hours ago
#3
Riverside Park Pond
Medium
Zone 2 - Recreation District
Algae Bloom
Organic Waste
Updated
1 day ago
#4
Mountain Stream Junction
Medium
Zone 5 - Rural Area
Agricultural Runoff
Updated
2 days ago
#5
Heritage Lake
Low
Zone 3 - Historic District
Minor Debris
Updated
3 days ago
View Full Analytics Dashboard


AquaGuard AI
Water Pollution Detection
Dashboard
Analysis
Priorities
About
Ethical AI
Upload Image
SDG 6: Clean Water and Sanitation
Ethical AI for Environmental Protection
Our system combines advanced computer vision with RAG technology to deliver transparent, fair, and actionable pollution detection for cleaner water bodies.
Early Pollution Detection
Faster Cleanup Response
Efficient Resource Allocation
Improved Water Quality
Aquatic Life Protection
Safer Communities
Our Ethical AI Principles
Privacy First
No personal data collection. We only process environmental imagery.
Transparency
Clear explanations of AI decisions and confidence levels.
Fairness
Unbiased prioritization based solely on pollution severity.
Accountability
Human oversight in all cleanup decisions and recommendations.
Built For
Government Authorities
Local Bodies
Environmental Agencies
Cleanup Teams
AquaGuard AI
Built with for clean water and healthier communities
Privacy
Terms
Contact
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