


Automated Infrastructure Cost Optimization Tool

This tool analyzes cloud usage patterns (CPU, memory, cost), detects anomalies, predicts future costs using ML, and suggests cost-saving actions.

 Upload cloud usage CSV file



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aws_cloud_usage_sample_100.csv 4.4KB



Optimization Report

	date	cpu_usage	memory_usage	cost_per_day	anomaly	suggestion
19	2025-04-19 06:46:13	38.82	77.52	60.83	Normal	No action needed
20	2025-04-20 06:46:13	81.98	77.91	93.73	Anomaly	Investigate unusual spike
21	2025-04-21 06:46:13	56.61	60.91	53.33	Normal	No action needed
22	2025-04-22 06:46:13	61.01	84.03	77.55	Normal	No action needed
23	2025-04-23 06:46:13	38.63	55.98	43.64	Anomaly	Investigate unusual spike
24	2025-04-24 06:46:13	51.83	75.87	63.9	Normal	No action needed
25	2025-04-25 06:46:13	61.66	91.9	83.03	Anomaly	Investigate unusual spike
26	2025-04-26 06:46:13	42.74	60.09	55.73	Normal	No action needed
27	2025-04-27 06:46:13	65.64	64.34	63.17	Normal	No action needed
28	2025-04-28 06:46:13	50.99	71	60.32	Normal	No action needed
29	2025-04-29 06:46:13	55.62	64.97	67.2	Normal	No action needed



Predict Cost Based on Usage

CPU Usage (%)



Memory Usage (%)





Predicted Daily Cost: ₹72.21



ML Model Performance

Mean Absolute Error (MAE): 3.23

R² Score: 0.79



Download Report