Constitutional AI Architecture

A governance layer that sits above foundation models, not a wrapper

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INPUT LAYER

User requests • External data sources • API calls • Multi-modal inputs (text, voice, image) • Enterprise system integrations

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CONSTITUTIONAL GOVERNANCE LAYER

The governance spine that sits above foundation models

Policy Gates
Rule enforcement & validation

Bias Detection
Real-time fairness monitoring

Audit Logging

Human-in-the-Loop

| Complete decision traceability | Escalation workflows |

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OUTPUT LAYER

Auditable AI responses · Explainable decisions · Enterprise-deployable outputs · Compliance-ready documentation · Multi-stakeholder transparency

Key Differentiator

Governance infrastructure that operates **independently** of any specific foundation model. Architecture-level innovation, not prompt-level optimization.

Technical Components

Policy Gates

Constitutional constraints enforced at the infrastructure level. Requests are validated against organizational policies before reaching foundation models, ensuring compliance without post-processing.

Bias Detection

Real-time monitoring of AI outputs for fairness, representation, and unintended discrimination. Multi-dimensional bias analysis across protected categories with configurable sensitivity thresholds.

Audit Logging

Complete traceability of all AI decisions, inputs, reasoning paths, and human interventions. Immutable audit trails that support regulatory compliance and forensic analysis.

Human-in-the-Loop Escalation

Automated detection of edge cases, ambiguous scenarios, and high-stakes decisions. Intelligent routing to appropriate human reviewers with full context and recommendation transparency.

Operational Status

71
ACTIVE MODULES
Distributed runtime components operational

5
PRODUCTION DEMOS
Live applications across use cases

100%
AUDIT COVERAGE
All decisions logged and traceable

See It in Action

Explore working demos that showcase the Constitutional AI architecture across different enterprise use cases.

View Demos

Request Technical Evaluation

ETHRAEON SYSTEMS

Technology that serves people, not extracts from them

PLATFORM

Architecture

Demos

Proof Pack

COMPANY

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