

VERITY SYSTEMS

AI-Powered Fact Verification Platform

Executive Overview

Verity is an enterprise-grade AI verification platform that helps researchers, journalists, organizations, and everyday users determine the truthfulness of claims using multi-model AI consensus and transparent source attribution.

Mission: To combat misinformation by making fact-checking accessible, transparent, and reliable.

Website: <https://veritysystems.app>

The Problem We Solve

The Misinformation Crisis

In today's digital landscape:

- **False information spreads 6x faster** than accurate information on social media
- **87% of people** have been deceived by fake news at least once
- **Organizations lose billions** due to decisions made on false premises
- **Traditional fact-checking** is too slow for the speed of modern information

Current Solutions Fall Short

Problem	Traditional Approach	Verity Solution
Speed	Hours to days	Seconds
Scale	One claim at a time	Batch processing
Transparency	"Trust us" verdicts	Full source attribution
Bias	Single-source	Multi-model consensus
Accessibility	Expert-only	Anyone can use

How Verity Works

The 9-Point Verification System

Verity analyzes every claim across 9 critical dimensions:

1. Primary Source Verification

Direct access to original documents, speeches, and official records.

2. News Archive Analysis

Search Reuters, AP, BBC, and major publications for journalistic coverage.

3. Academic & Scientific Sources

Cross-reference with peer-reviewed journals, research papers, and scientific databases.

4. Government & Official Data

Verify against official statistics, census data, and regulatory filings.

5. Expert Consensus Analysis

Analyze what domain experts and professional organizations state.

6. Temporal Consistency

Check if the claim was true when made vs. current status.

7. Logical Coherence

Detect internal contradictions and logical fallacies.

8. Source Credibility Scoring

Evaluate the reliability history of cited sources.

9. Cross-Model Validation

Multiple AI models must reach consensus—disagreement flags uncertainty.

Multi-Model AI Architecture

Verity doesn't rely on a single AI model. Instead, we query **20+ leading AI models** simultaneously:

Tier 1: Primary Models (Fastest Response)

- Groq (Llama 3.3 70B)
- Google Gemini 2.0
- Perplexity (with real-time web search)

Tier 2: Major Providers

- OpenAI GPT-4o
- Anthropic Claude 3.5 Sonnet
- Mistral Large
- Cohere Command R+

Tier 3: Specialized Models

- Cerebras (ultra-fast inference)
- SambaNova
- Fireworks AI
- DeepSeek

Tier 4: Research & Search

- Together AI
- HuggingFace Inference
- OpenRouter (model routing)

Why Multi-Model?

Single Model	Multi-Model Consensus
May have training biases	Biases cancel out
Can hallucinate	Cross-validation catches errors
Single point of failure	Redundancy ensures reliability
"Black box" verdict	Transparent reasoning from multiple sources

Key Features

Claim Verification

Enter any claim—from scientific statements to political assertions—and receive a detailed verdict with sources.

Example:

Claim: "The Earth is approximately 4.5 billion years old"

Verdict:  TRUE (98% confidence)

Sources: NASA, USGS, Nature Journal, multiple geological studies

AI Agreement: 20/20 models agree



Confidence Scoring

Every verdict includes a confidence score based on:

- Number of corroborating sources
- Source credibility ratings
- AI model agreement level
- Recency of information

Score	Meaning
90-100%	High confidence, multiple authoritative sources
70-89%	Good confidence, some sources disagree
50-69%	Moderate confidence, conflicting information
Below 50%	Low confidence, requires manual review



Source Transparency

Unlike black-box fact-checkers, Verity shows its work:

- Every source is cited with links
- Source credibility is rated
- Users can verify independently
- Full audit trail available



Real-Time Processing

- **Average verification time:** Under 3 seconds
 - **Parallel processing:** Query all models simultaneously
 - **Streaming results:** See progress in real-time
 - **Batch processing:** Verify 100+ claims at once
-



Enterprise Security

- **Zero data retention:** Claims are processed and immediately deleted
 - **AES-256-GCM encryption:** All data in transit and at rest
 - **GDPR compliant:** European data protection standards
 - **SOC 2 Type II:** Enterprise security certification (planned)
 - **On-premises option:** For maximum data control
-

Product Suite

1. Web Platform

Full-featured verification dashboard accessible from any browser.

Features:

- Claim verification
 - Verification history
 - Team collaboration
 - API key management
 - Usage analytics
-

2. API Access

Integrate Verity into your own applications.

Endpoints:

- `/verify` - Single claim verification
- `/v3/batch-verify` - Multiple claims at once
- `/tools/source-credibility` - Evaluate source reliability
- `/tools/statistics-validator` - Verify statistical claims
- `/tools/research-assistant` - Deep research queries

Example API Call:

```
POST /verify
{
  "claim": "COVID-19 vaccines are effective at preventing severe illness",
  "min_providers": 5
}
```

Response:

```
{  
  "verdict": "TRUE",  
  "confidence": 0.96,  
  "providers_used": ["groq", "perplexity", "google", "openai", "anthropic"],  
  "explanation": "Multiple peer-reviewed studies and CDC data confirm...",  
  "sources": [  
    {"name": "CDC", "url": "...", "credibility": 0.98},  
    {"name": "Nature", "url": "...", "credibility": 0.97}  
  ]  
}
```

3. Browser Extension

Verify claims while browsing the web.

Features:

- Highlight any text to fact-check
- Right-click context menu
- Inline results overlay
- Works on all websites

Available for: Chrome, Firefox, Edge

4. Desktop Application

Native application for power users.

Features:

- Offline mode (with limitations)
- Document scanning
- Bulk file processing
- System tray integration

Available for: Windows, macOS, Linux

5. Mobile Apps

Verification on the go.

Features:

- Camera-based text capture
- Voice input

- Push notifications
- Offline history

Available for: iOS, Android

Use Cases



Journalism & Media

Challenge: Newsrooms need to verify claims quickly before publication.

Solution: Verity provides instant verification with source links that can be cited.

Benefits:

- Reduce fact-checking time by 80%
 - Avoid publishing misinformation
 - Maintain credibility with readers
-



Academic Research

Challenge: Researchers need to verify claims in papers and verify their own assertions.

Solution: Cross-reference against scientific databases and peer-reviewed sources.

Benefits:

- Ensure research accuracy
 - Find supporting literature
 - Identify contradicting studies
-



Enterprise & Business

Challenge: Business decisions based on inaccurate market claims cost millions.

Solution: Verify market statistics, competitor claims, and industry data.

Benefits:

- Data-driven decision making
- Due diligence support
- Competitive intelligence

Government & Policy

Challenge: Policy decisions require accurate data from multiple sources.

Solution: Verify statistics, historical claims, and policy outcomes.

Benefits:

- Evidence-based policymaking
 - Public accountability
 - Transparent governance
-

Individual Users

Challenge: Everyday people encounter misinformation on social media.

Solution: Quick verification of viral claims, health advice, and news stories.

Benefits:

- Avoid sharing false information
 - Make informed decisions
 - Protect family from scams
-

Pricing

Consumer Plans

Plan	Monthly Verifications	Features
Free	\$0	300/month Basic verification
Starter	\$9	1,500/month Standard features
Pro	\$19	3,000/month Priority processing
Professional	\$49	5,000/month Advanced tools

API Plans

Plan	Monthly	API Calls	Rate Limit
API Starter	\$29	5,000/month	10/min
API Developer	\$79	15,000/month	30/min
API Pro	\$199	50,000/month	60/min

API Business	\$499	150,000/month	120/min
Enterprise	Custom	Unlimited	Custom

Technology Stack

Backend

- **Language:** Python 3.11+
- **Framework:** FastAPI
- **Database:** Supabase (PostgreSQL)
- **Cache:** Upstash Redis
- **Hosting:** Railway / Vercel

Frontend

- **Web:** Vanilla JavaScript, HTML5, CSS3
- **Mobile:** React Native / Expo
- **Desktop:** Electron
- **Extension:** Chrome Manifest V3

AI Integration

- Direct API integration with 20+ AI providers
- Fallback and load balancing
- Rate limiting and quota management

Security

- JWT authentication
 - API key management
 - Row-level security (Supabase RLS)
 - HTTPS everywhere
-

Roadmap

Q1 2026 - Launch

- Web platform launch
- API v3 release
- Browser extension (Chrome Web Store)

-  Desktop app release

Q2 2026 - Expansion

- Mobile apps (iOS & Android)
- Team collaboration features
- White-label API option
- Additional languages

Q3 2026 - Enterprise

- On-premises deployment
- SSO integration (SAML, OIDC)
- Advanced analytics dashboard
- Custom model training

Q4 2026 - Intelligence

- Automated monitoring
- Trend detection
- Predictive misinformation alerts
- Industry-specific models

Competitive Advantage

Feature	Verity	Competitors
Multi-model consensus	 20+ models	 Single model
Source transparency	 Full attribution	 Limited
API access	 Full API	 Restricted
Real-time processing	 Seconds	 Minutes/hours
Batch processing	 100+ claims	 One at a time
Self-hostable	 Enterprise	 Cloud only
Privacy-first	 Zero retention	 Data stored

Getting Started

1. Sign Up

Visit <https://veritysystems.app/auth.html> to create your account.

2. Verify Your First Claim

Enter any claim on the dashboard and click "Verify."

3. Explore the API

Get your API key from Settings and start integrating.

4. Install the Extension

Add Verity to your browser for on-the-go verification.

Contact Information

Website: <https://veritysystems.app>

Email: hello@veritysystems.app

Support: support@veritysystems.app

API Documentation: <https://veritysystems.app/api-docs.html>

Legal

Privacy Policy: <https://veritysystems.app/privacy.html>

Terms of Service: <https://veritysystems.app/terms.html>

© 2026 Verity Systems. All rights reserved.

Building a more truthful world, one verified fact at a time.