

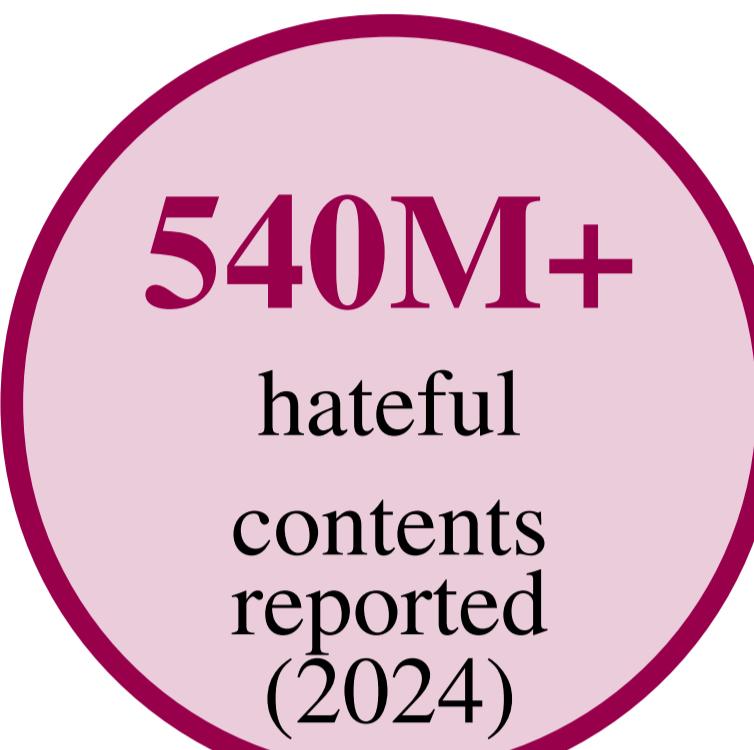


Hateless

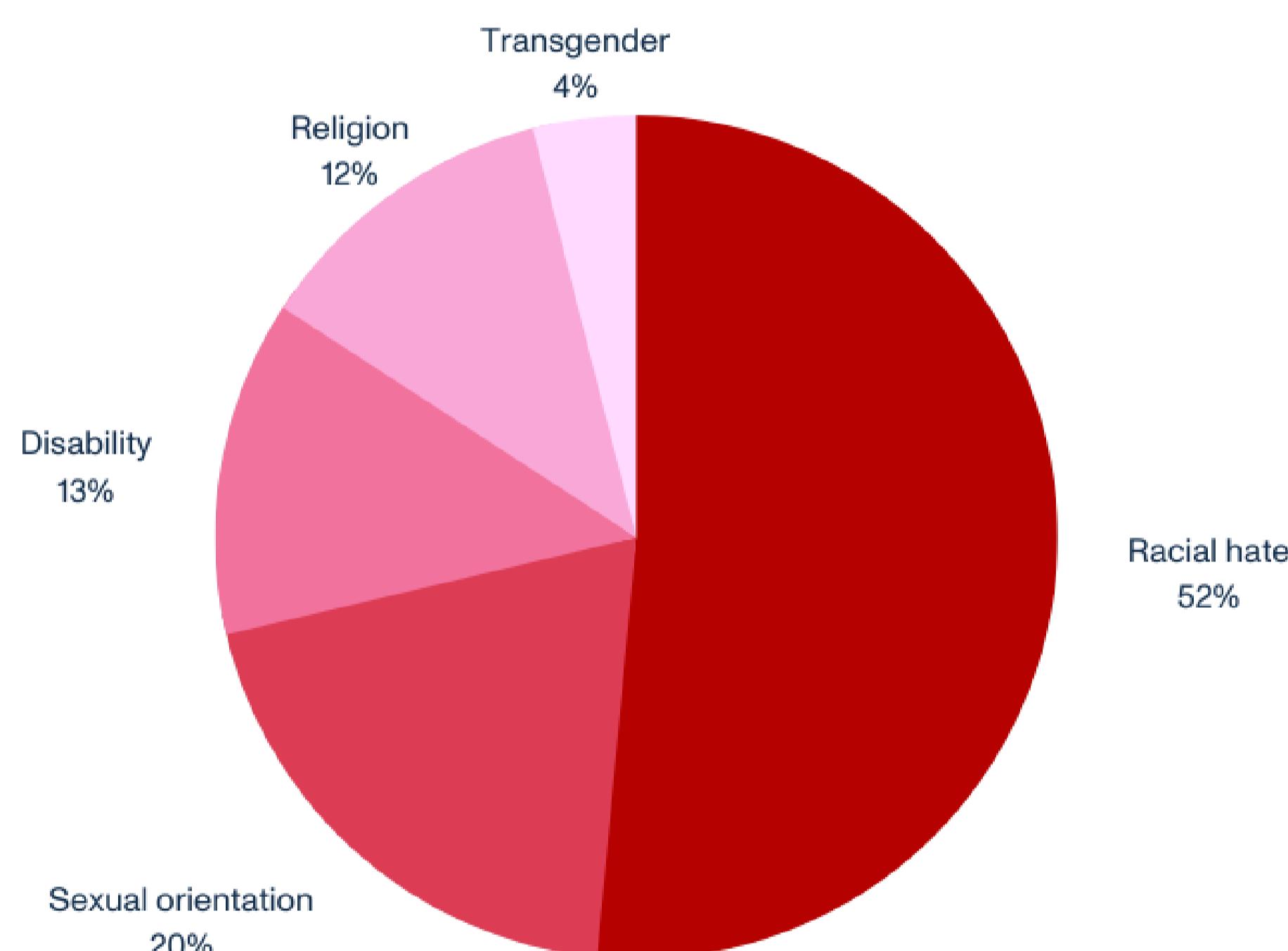
Detect. Educate. Protect.

Multilingual Hate Speech Detection

The Problem



**Detection alone
is NOT enough**



Problem Statement:

How can we create a fast, accurate, and socially responsible system that not only detects hate speech but also educates and supports?

Our Solution

Web Interface

- API Testing for developers
 - Educational resources (English, French, Italian)
 - Awareness Articles
 - **Psych Chatbot Link**

Open REST API

- Response in under 1s
 - 100+ Languages
 - Docker + App Engine Deployment
 - **Easy Integration**

Browser Extension (1Mo)

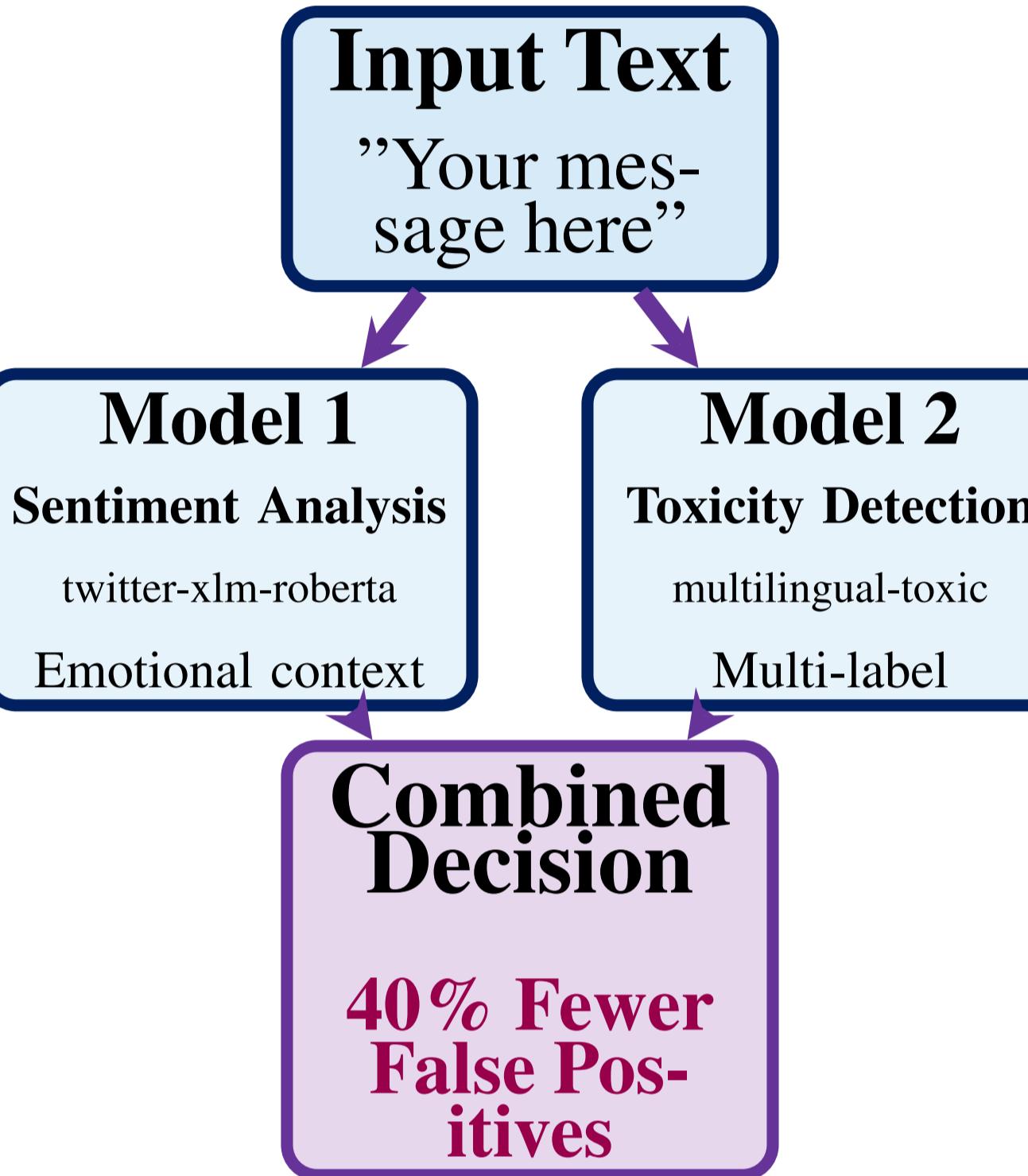
- Real-Time Detection
- Chrome / Firefox / Brave
- Zero Data Stored
- **Privacy-First**

3-Pillar Ecosystem

Protection + Education + Support

Innovation

Dual-Model Architecture



Model Selection Rationale

[1] twitter-xlm-roberta:

- Multilingual (100+ languages), all major platforms
- Trained on 198M real Twitter messages
- Designed for detailed sentiment analysis

[2] multilingual-toxic-xlm:

- Multilingual (100+ languages)
- Specialized for hate speech
- Multi-label: toxic, threat, insult

Combined Model Performance: Accuracy

Obvious hate speech 95–98%

Subtle toxicity 75–85%

False positives 5–10%

Multilingual detection 80–90%

Dual-model approach achieves 40% reduction in false positives

Social Impact

Social Impact

Youth & Students	Real-time protection on social media
Victims	Direct link to psychological support
Developers	Open API, 5-minute integration
Companies	Automated moderation saves costs

*Making the Internet Safer.
One Sentence at a Time.*

Perspectives

- Deploy to new platforms (mobile, messaging apps)
- Improve contextual detection
- Expand into more languages and arabic dialects

References

[1] Barbieri, F., Espinosa Anke, L., & Camacho-Collados, J. (2022). *XLM-T: Multilingual Language Models in Twitter for Sentiment Analysis and Beyond*. LREC, 258–266.

[2] Vidgen, B., Thrush, T., Waseem, Z., & Kiela, D. (2025). *Learning from the Worst: Dynamically Generated Datasets to Improve Online Hate Detection*. ACL, 1667–1682.

Try our Website! You can also install the extension on your browser

