

# BotBlocker

Your Voice Matters. Don't Let AI Drown It Out

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# CONTEXT



## AI Bots

Manipulating engagement  
and spreading  
misinformation.

## Fake Content

The Dead Internet Theory  
suggests much online  
content is artificial.

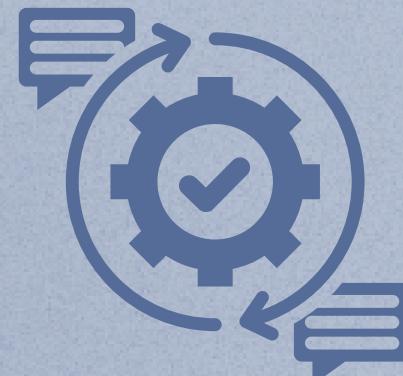
## Detection

Identifying AI-driven  
accounts for transparency.

# PROBLEM



Growing automation of interactions on social media.



Legitimate functions

Automated responses, data organization.



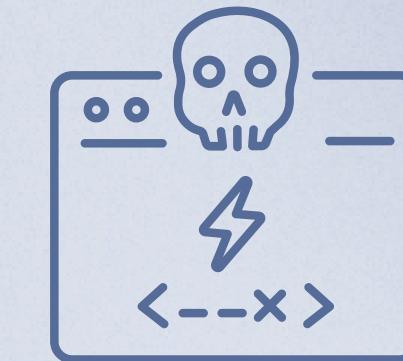
Impacts

Compromise social media integrity. Affect user trust. Harm businesses, governments, and society.

Bots



Malicious bots



# GOALS



Combat Bot  
Proliferation and  
Misinformation



Simplify the  
Voting Process



Enhance Online  
Transparency and  
Accountability



Ensure Fair Profile  
Evaluations

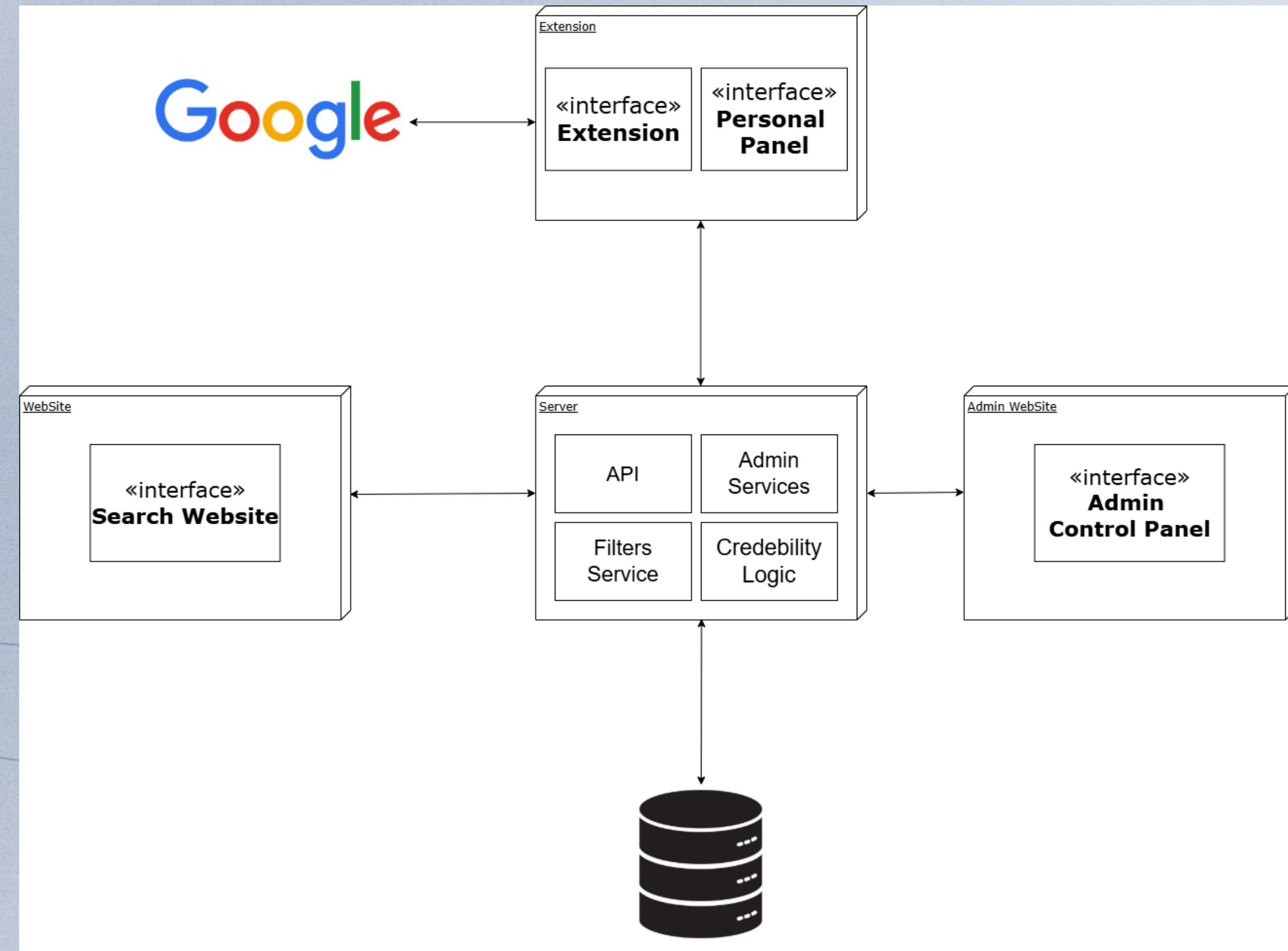


Develop a User-Friendly  
Platform

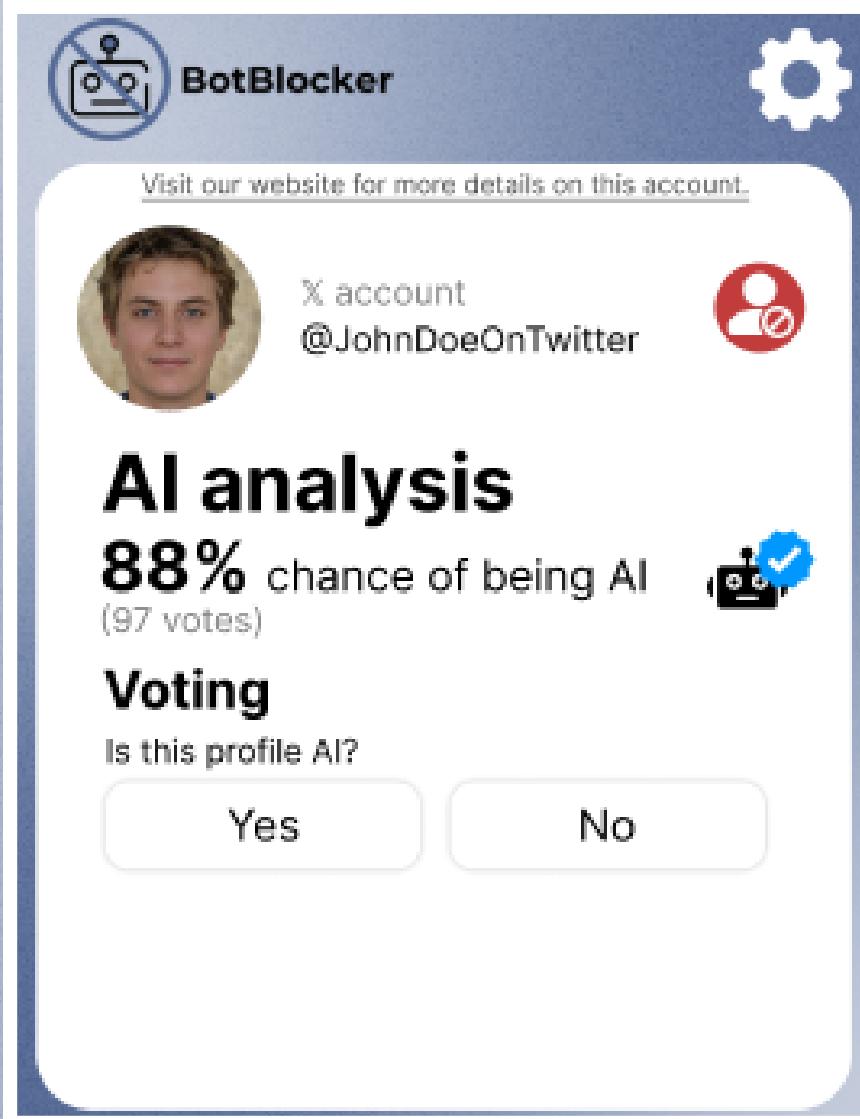
# THE STATE OF RELATED WORK

CRITERION	 <b>PEGABOT</b>	 <b>LIVEDUNE</b>	 <b>Bot Sentinel</b>	 <b>BotBlocker</b>
<b>Main Social Network</b>	Twitter/X	Multiple Social Networks	Twitter/X	Multiple Social Networks
<b>User Interaction</b>	None	None	Score Display	Community Voting & Feedback
<b>Blocking Management</b>	Not Available	Not Available	Reliability Score	Personal & Community Blocklists
<b>Accessibility</b>	Free	\$15,30/month for 5 accounts	Free	Free and open to contributions
<b>Main Advantages</b>	Ease of use, free access	Artificial Engagement Identification	High accuracy in identifying manipulative profiles	All of the before + Comprehensiveness, active user participation, integration with multiple networks
<b>Main Limitations</b>	Currently inactive	Focus only on influencers and advertising	Restricted to Twitter/X; does not detect neutral bots	None of the before
<b>Focus of Analysis</b>	Behavior and Profile Features	Engagement and Audience Authenticity	Toxicity and Coordinated Manipulation	Bot Networks, Misinformation, and Coordinated Attacks

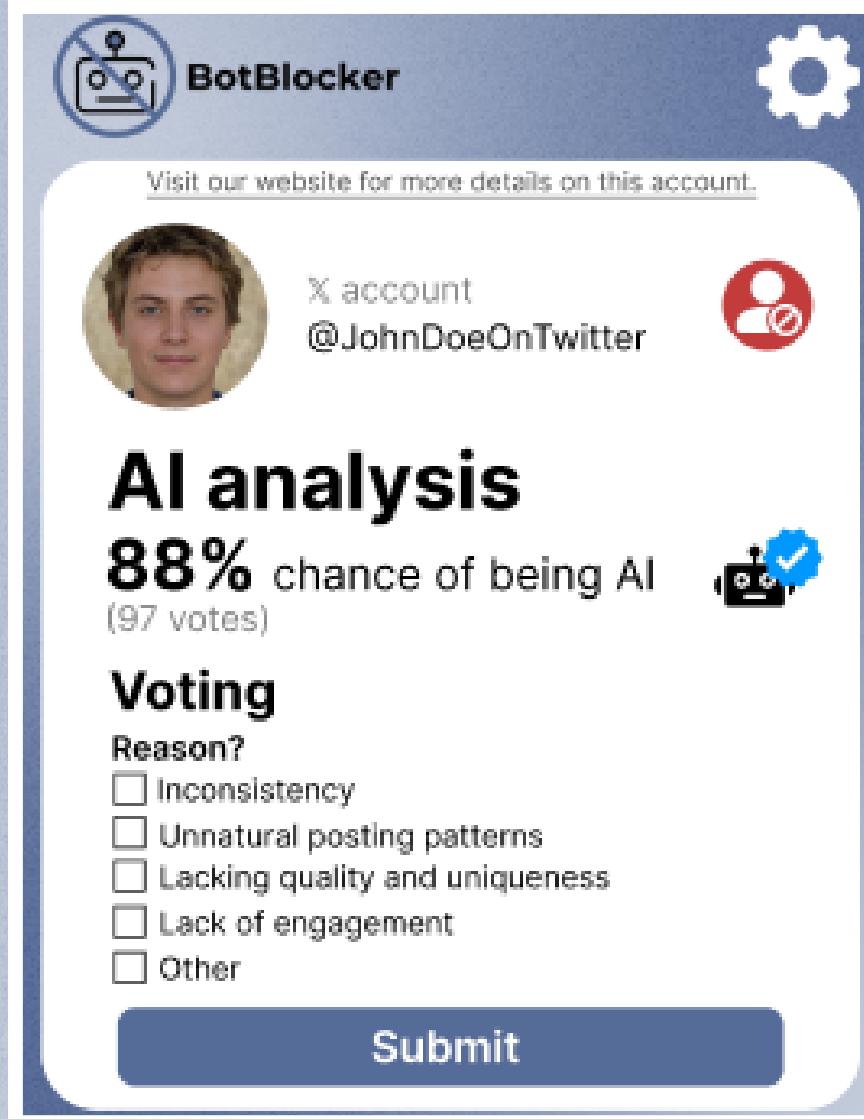
# EXPECTED RESULTS



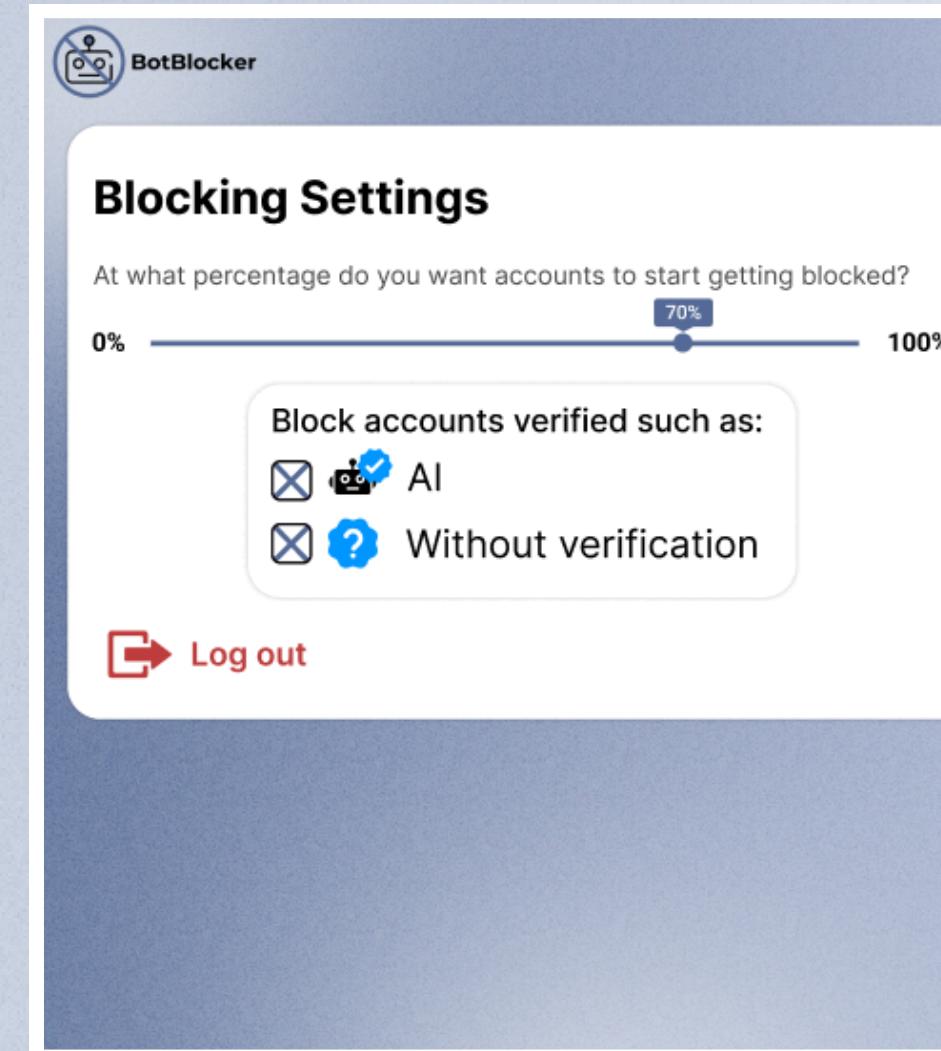
# MOCKUPS



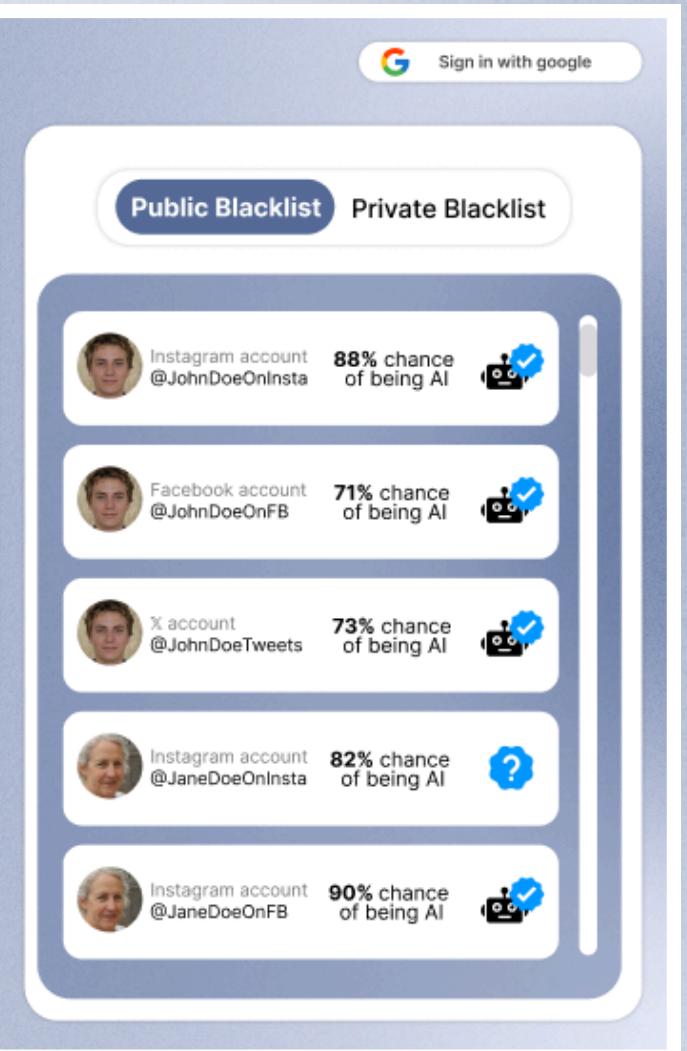
This mockup shows the AI analysis screen for a Twitter account (@JohnDoeOnTwitter). It features a profile picture of a young man, the account name, and a red user icon. Below this, the text "AI analysis" and "88% chance of being AI (97 votes)" is displayed, along with a blue camera icon with a checkmark. A "Voting" section asks "Is this profile AI?" with "Yes" and "No" buttons. At the bottom is a large blue "Submit" button.



This mockup is identical to the first one, but it includes a "Reason?" section with five checkboxes: Inconsistency, Unnatural posting patterns, Lacking quality and uniqueness, Lack of engagement, and Other. A "Submit" button is at the bottom.



This mockup shows the Blocking Settings screen. It has a slider for starting blocking at 70% between 0% and 100%. Below the slider are two checked checkboxes: "Block accounts verified such as: AI" and "Without verification". A red "Log out" button is at the bottom.



This mockup shows the Public Blacklist screen. It lists five accounts with their chance of being AI and a camera icon with a checkmark: Instagram account @JohnDoeOnInsta (88%), Facebook account @JohnDoeOnFB (71%), X account @JohnDoeTweets (73%), Instagram account @JaneDoeOnInsta (82%), and Instagram account @JaneDoeOnFB (90%). It also includes tabs for "Public Blacklist" and "Private Blacklist".

# MOCKUPS

**Profile found!**  
Check its analysis:

Instagram account  
@universidadedeaveiro

1,890 posts    51.5K followers    268 following

Melhor Universidade 🇵🇹 (ranking StuDocu)  
Valorização do mérito académico e desportivo  
Identifica-nos @universidadedeaveiro @eciuuniversity

## AI analysis

**15%** chance of being AI  
(105 votes)

 Our specialists verified this account as a human

### Evaluations:

 **Hugo Castro**  
Considered this profile **not a bot.**  
On 20/02/2025 · 14:23

 **João Viegas**  
Considered this profile **not a bot.**  
On 19/02/2025 · 19:50

 **Ângela Ribeiro**  
Considered this profile **a bot.**  
On 20/02/2025 · 11:02

**Reason(s):**

- AI-generated images
- Inconsistent posting
- Unnatural posting patterns

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# Thank you!

<https://botblocker.netlify.app/>



The screenshot displays the BotSentinel project website, featuring a clean design with a blue header and footer. The main content area includes:

- Landing Page:** Headline: "Your Voice Matters. Don't Let AI Drown It Out". Subtext: "Take Control of Your Online Space." Description: "In a world where AI-driven bots are increasingly shaping online interactions, it's hard to know who's real and who's not. Our platform empowers you to uncover the truth. By combining community-driven insights with advanced algorithms, we help you identify AI-managed accounts and ensure your online interactions are genuine. To give users greater control, our system allows for profile blocking, making it easier to filter out suspicious accounts. Additionally, our website provides in-depth profile analysis, allowing users to search for accounts and view credibility evaluations, voting history, and relevant discussions. Join us in creating a more transparent and trustworthy digital space—because the internet should be about real people, not bots." An illustration of a white robot sitting at a laptop with a speech bubble.
- Milestones:** A sidebar menu under "BotSentinel" with "Milestones" expanded, showing four items: MS1 - Inception Phase, MS2 - Elaboration Phase, MS3 - Construction, and MS4 - Transition, each with a small icon and a link.
- Milestones Page:** Title: "Milestones". Subtitle: "Milestones:". Four cards representing milestones: "MS1 - Inception Phase" (1 item), "MS2 - Elaboration Phase" (1 item), "MS3 - Construction" (1 item), and "MS4 - Transition" (1 item). Each card has a small icon and a link.
- Background, Objectives, Benefits:** A section with three cards:
  - Trust the Internet Again:** Icon: shield. Text: "Our platform helps you identify AI-driven accounts, ensuring your online interactions are genuine and trustworthy."
  - Community-Based Ratings:** Icon: people. Text: "Leverage the power of community insights to detect and flag suspicious accounts, making the internet safer for everyone."
  - Flexible Blacklist Control:** Icon: list. Text: "Users can block profiles manually or rely on a shared blacklist, with the option to display or hide flagged accounts."A small illustration of two people at a table, one a robot and one a human, facing each other.
- Project Description:** A link at the bottom right of the page.