

BotBlocker

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

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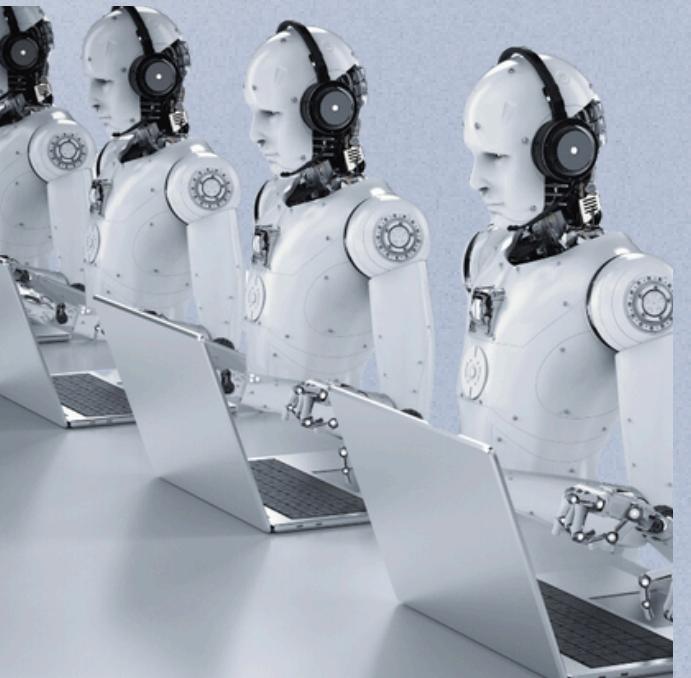
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CONTEXT



AI Bots

Manipulating engagement
and spreading
misinformation.

Fake Content

The Dead Internet Theory
suggests much online
content is artificial.

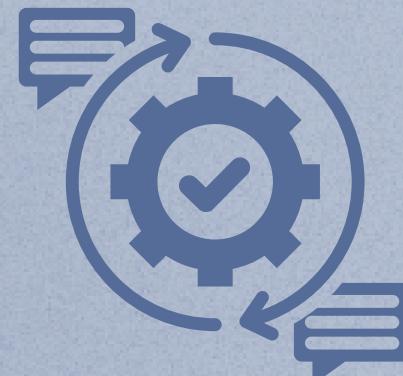
Detection

Identifying AI-driven
accounts for transparency.

PROBLEM



Growing automation of interactions on social media.



Legitimate functions

Automated responses, data organization.



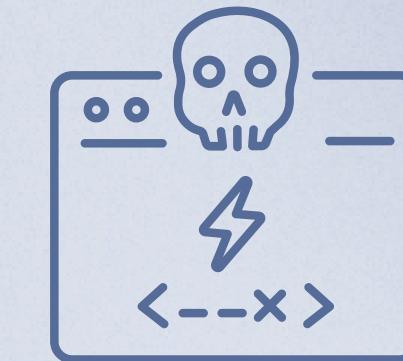
Impacts

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

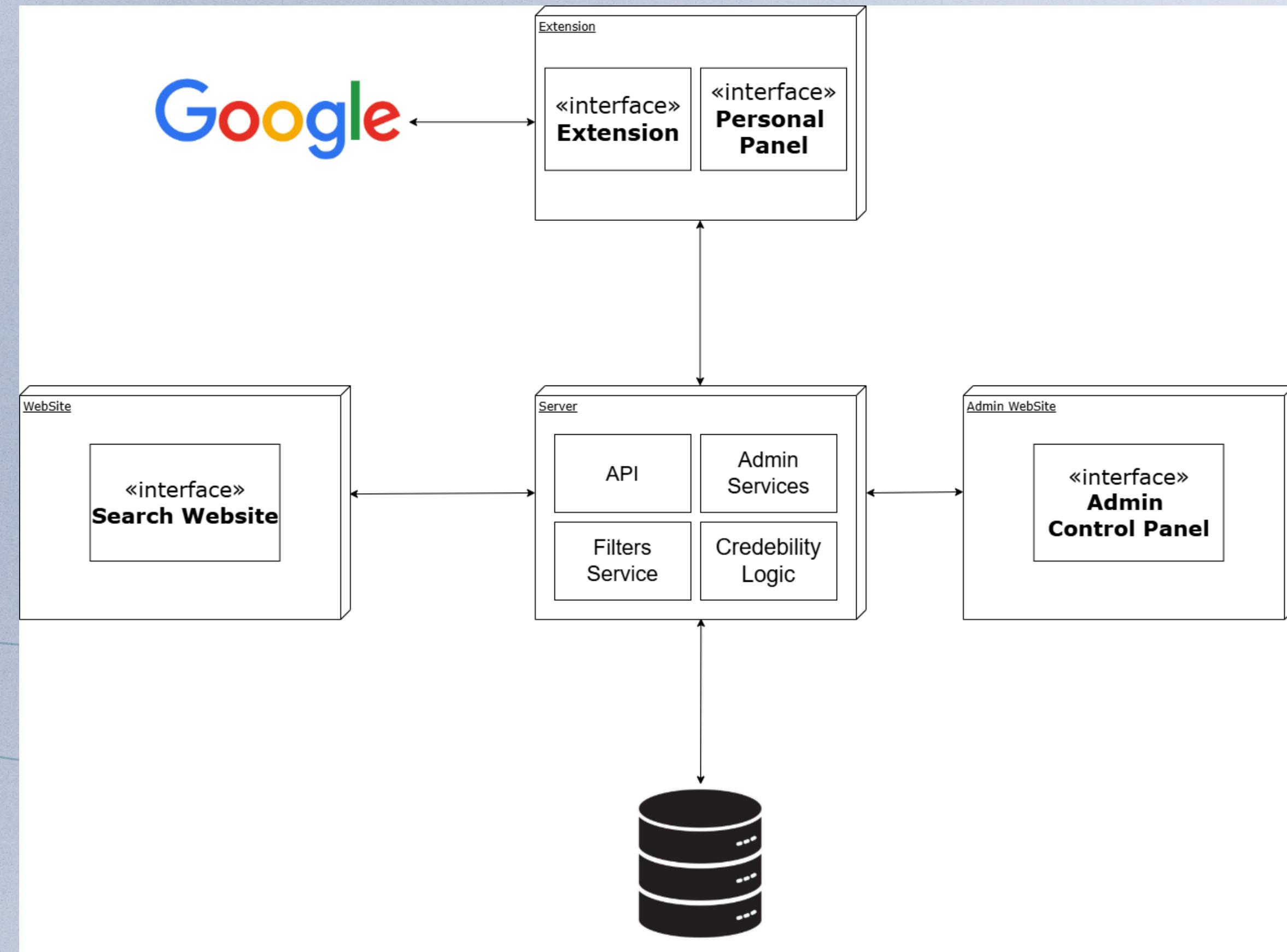


Develop a User-Friendly
Platform

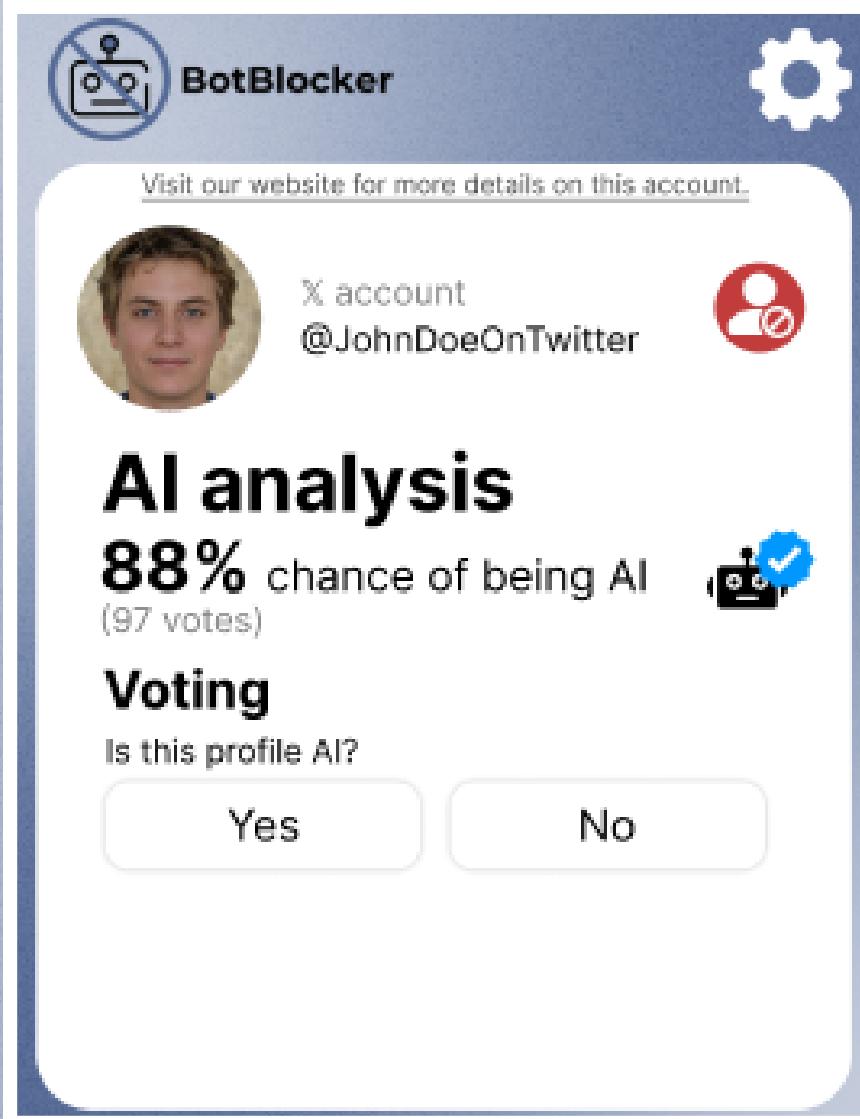
THE STATE OF RELATED WORK

CRITERION	 PEGABOT	 LIVEDUNE	 Bot Sentinel	 BotBlocker
Main Social Network	Twitter/X	Multiple Social Networks	Twitter/X	Multiple Social Networks
User Interaction	None	None	Score Display	Community Voting & Feedback
Blocking Management	Not Available	Not Available	Reliability Score	Personal & Community Blocklists
Accessibility	Free	\$15,30/month for 5 accounts	Free	Free and open to contributions
Main Advantages	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
Main Limitations	Currently inactive	Focus only on influencers and advertising	Restricted to Twitter/X; does not detect neutral bots	None of the before
Focus of Analysis	Behavior and Profile Features	Engagement and Audience Authenticity	Toxicity and Coordinated Manipulation	Bot Networks, Misinformation, and Coordinated Attacks

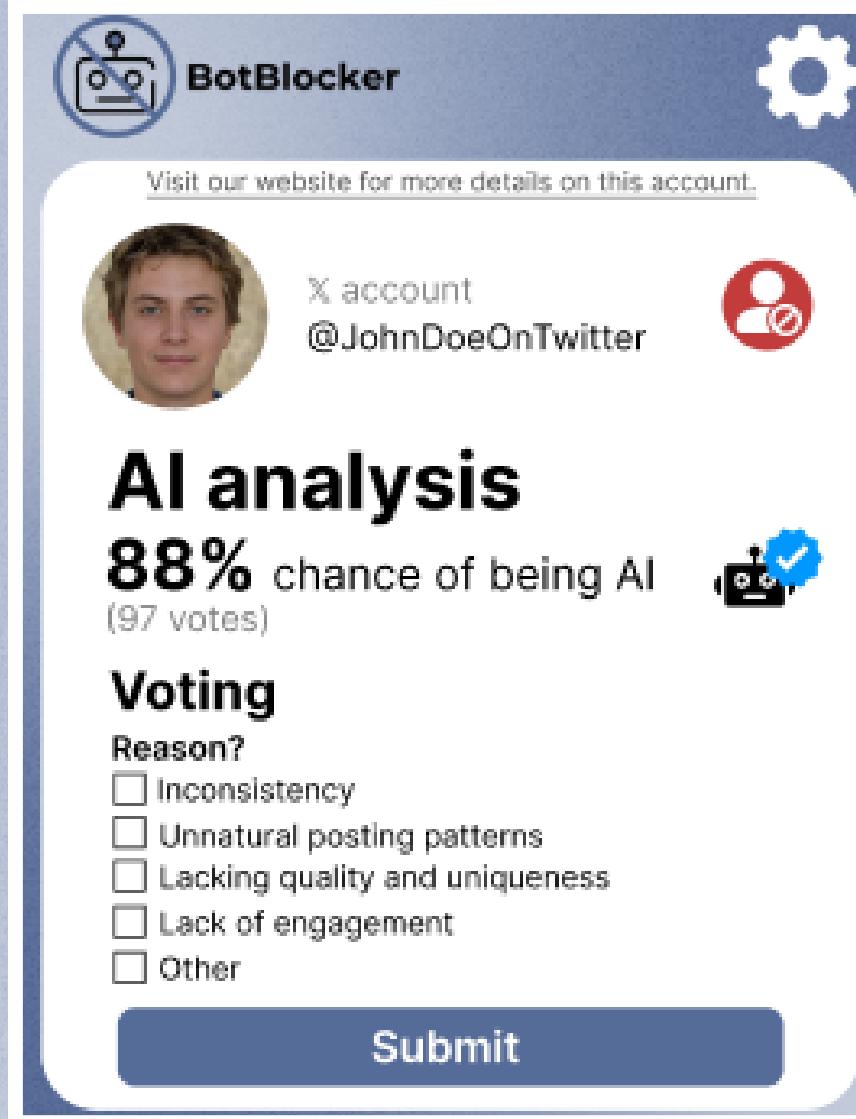
EXPECTED RESULTS



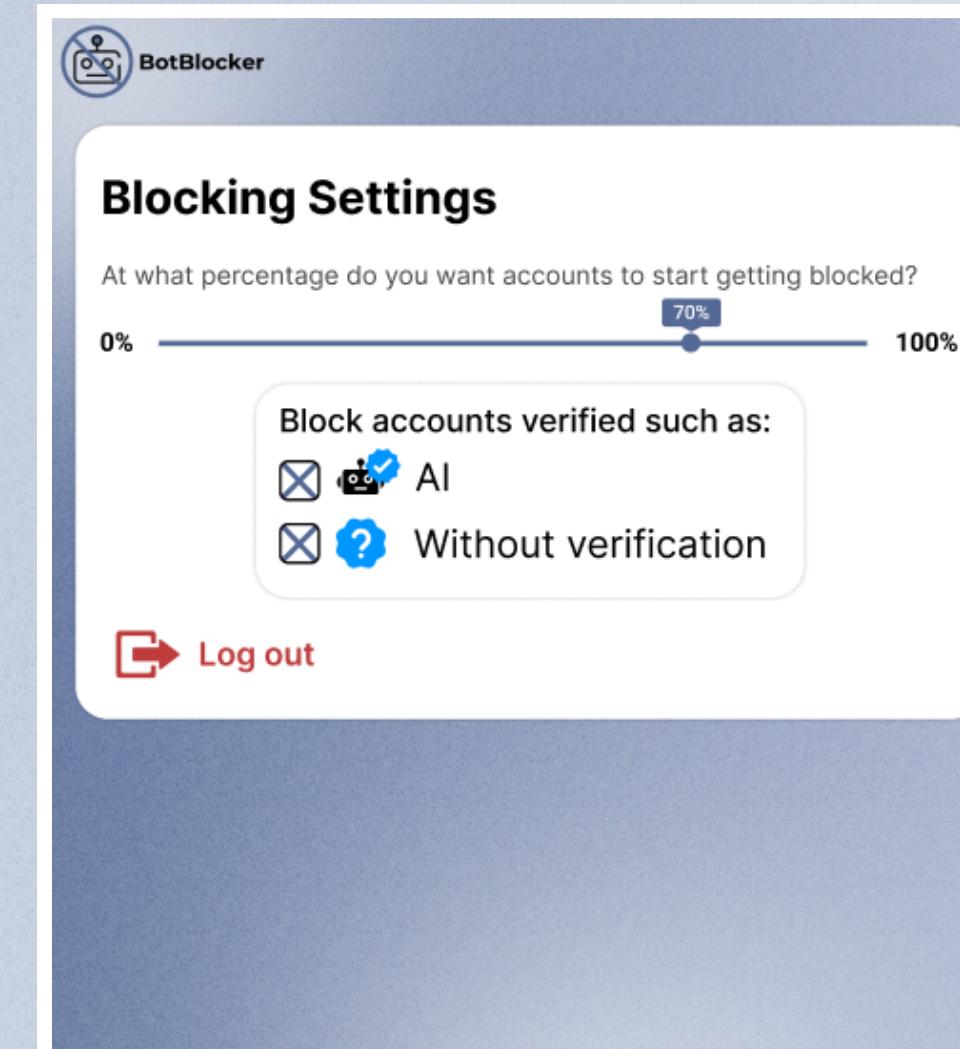
MOCKUPS



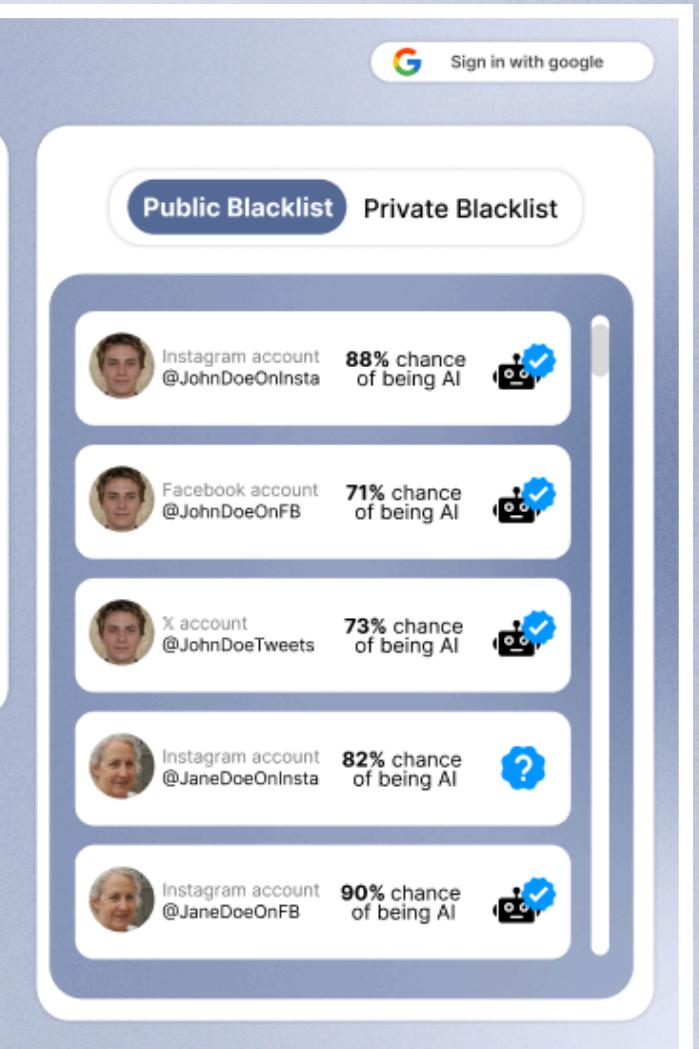
This mockup shows the AI analysis screen for a Twitter account (@JohnDoeOnTwitter). It features a profile picture of a young man, the account name, and a red user icon. Below this, the text "AI analysis" and "88% chance of being AI (97 votes)" is displayed, along with a blue camera icon with a checkmark. 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 located at the bottom of this section.



This mockup shows the Blocking Settings screen. It includes a progress bar for starting blocking at 70%, a section to "Block accounts verified such as:" (with options for AI and Without verification), and a red "Log out" button.



This mockup shows the Public Blacklist screen, which lists several accounts with their chance of being AI and corresponding icons:

- Instagram account @JohnDoeOnInsta: 88% chance of being AI (camera icon)
- Facebook account @JohnDoeOnFB: 71% chance of being AI (camera icon)
- X account @JohnDoeTweets: 73% chance of being AI (camera icon)
- Instagram account @JaneDoeOnInsta: 82% chance of being AI (question mark icon)
- Instagram account @JaneDoeOnFB: 90% chance of being AI (camera icon)

A "Sign in with google" button is at the top right, and "Public Blacklist" and "Private Blacklist" tabs are at the top left.

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

PROJECT CALENDAR

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20/05 - 26/05	27/05 - 02/06				
Demo + poster for students@deti & video <ul style="list-style-type: none"> • Poster • Video • Demo • Finish technical report (*) 	Final presentation <ul style="list-style-type: none"> • Work on presentation (*) 				

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Thank you!

<https://botblocker-pi.github.io/Documentation/>



The image displays two screenshots of the BotSentinel Documentation website. The top screenshot shows the homepage with a blue header featuring the text "Your Voice Matters. Don't Let AI Drown It Out" and a subtext about taking control of online spaces. It includes a cartoon robot icon on the right. The bottom screenshot shows the "Milestones" section, listing four phases: MS1 - Inception Phase, MS2 - Elaboration Phase, MS3 - Construction, and MS4 - Transition. Each phase is represented by a card with a small icon and a link. Below the milestones, there are three cards: "Trust the Internet Again" (with a shield icon), "Community-Based Ratings" (with a people icon), and "Flexible Blacklist Control" (with a list icon). At the bottom of the page, there is a "Background" section with a small illustration of a person and a robot at a desk.