

AI for Dementia Caregivers: Trusted Guidance for Your Care Journey

Part 1. Responsible AI for Everyone

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Real Human. No Chatbot.

Education & Credentials

Ph.D., Computer Science with Distinguished Academic Achievement Award

Patents & Societal Impact

50+ patents; Impactful innovations during post-9/11, 2008 housing crisis, COVID-19 rental assistance

Dementia Innovation

AI-powered assistive tech for caregiving and increasing human-to-human interaction for people living with dementia

AI Leadership & Innovation

35+ years of AI R&D; First South Asian woman worldwide named **IBM Fellow**; Global IBM CTO for Cognitive Services; First to bring purpose-built AI to dementia caregiving

Founder, Amicus Brain

Award-winning AI company transforming dementia care; 2023 Longitude Prize Discovery Award

Career Highlights

IBM Distinguished Engineer (2012); IBM Fellow (2015); “Societal Innovator” profile (2016)

Awards & Recognition

Congressional Certificates (2019, 2022, 2024); Gerstner Award; Multiple Best Paper Awards and other recognition

Community & Mission

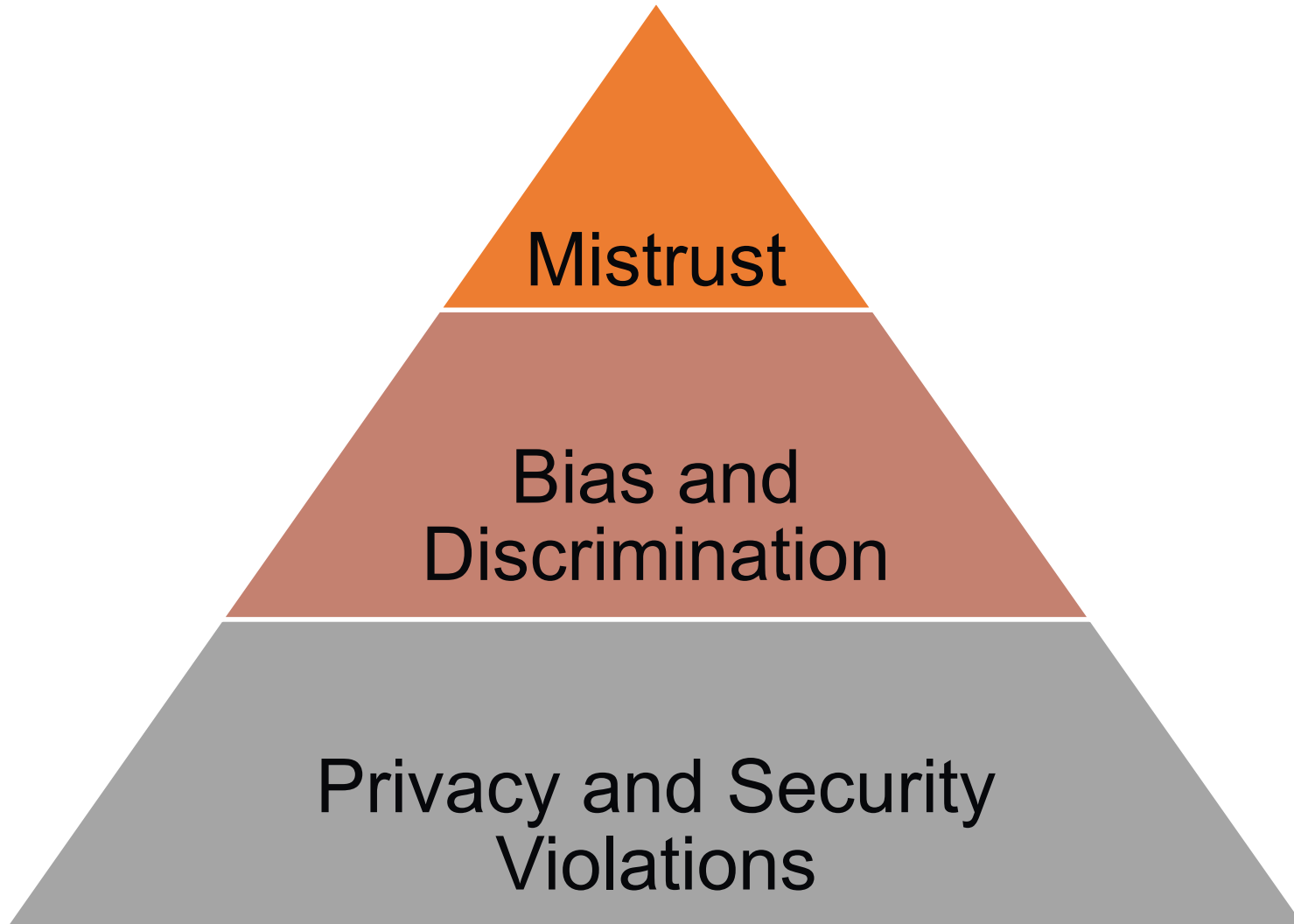
STEM advocacy; senior-center volunteering; global coaching

Thought Leadership

100+ peer-reviewed research publications. Keynotes, panels, public education on AI, aging, and cognitive health

High Risks of Ignoring AI Responsibility

The risks of not implementing responsible AI are significant and far-reaching.



Mistrust

The panicked voice on the phone isn't your grandson

You get a call: from a loved one, panicked! A car wreck, an arrest, they need bail money now, and please don't tell anyone. It sounds exactly like them. But it is not!

Scammers can clone a convincing voice from as little as *three seconds* of audio pulled off a social-media video.

The FTC has warned about this since 2023. One family lost about CA\$21,000 after hearing their son's apparent voice, and the FBI has logged hundreds of millions in losses among older victims.

Sources: [FTC Consumer Alert](#) · [FCC / FBI on voice-clone scams](#)

Bias & Discrimination

AI mistake put an innocent man in jail

Mr. Williams was arrested in his own driveway, in front of his wife and two young daughters, and held overnight because facial-recognition software matched his driver's license photo to grainy security footage of a shoplifter. He was not the man, and he had an alibi.

When he held the photo up to his face, an officer reportedly said, “the computer says it's you.”

At least seven Americans have been wrongly arrested this way, and the technology misidentifies people of color and women at higher rates.

Sources: [ACLU — Williams v. City of Detroit](#) · [MIT Technology Review](#)

Privacy & Security

Someone may be listening to your living room

We assume the smart speaker only wakes up when we say its name. A 2019 investigation revealed that thousands of Amazon workers and contractors around the world listened to clips recorded by Alexa devices: up to 1,000 a shift. To train the software.

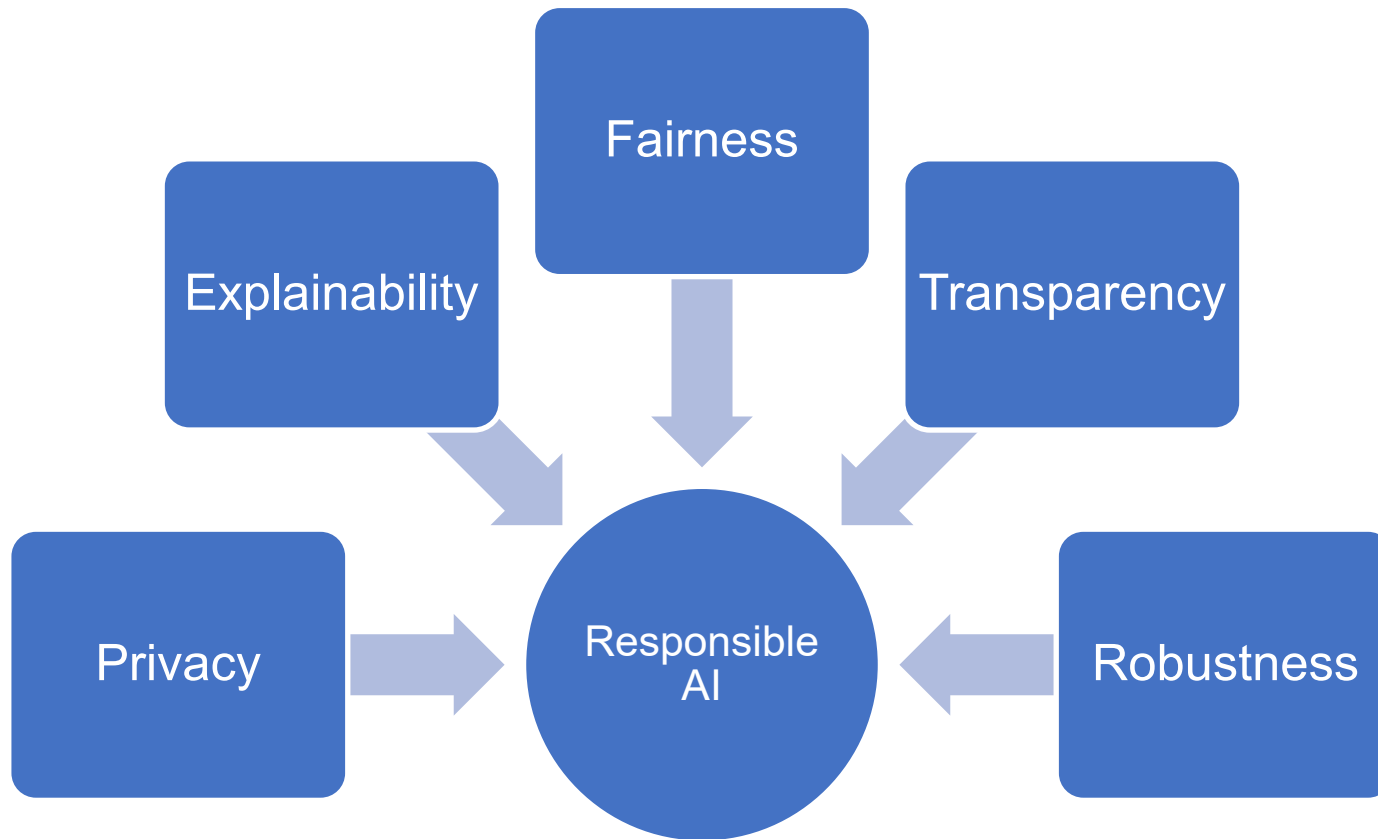
Most were mundane, but reviewers reported hearing private medical talk, arguments, a child screaming, and worse.

Amazon later paid \$25 million to settle FTC allegations, largely over keeping children's recordings after parents asked for them to be deleted.

Sources: [Bloomberg \(via TIME\)](#) · [CNN Business](#)

Responsible AI Practices

Demand Responsible AI practices to benefit from the full potential of AI while minimizing risks and ensuring positive outcomes.



Responsible AI Misses

Which good traits each case missed

Case	Privacy	Explainability	Fairness	Transparency	Robustness
Wrongful arrest	Partly	Missed	Missed	Missed	Missed
Voice-clone scam	Partly	—	—	Missed	Missed
Alexa recordings	Missed	—	—	Missed	—

Privacy and Transparency break in almost every case — and the wrongful arrest fails on all five at once.

“Missed” = a core failure · “Partly” = a contributing weakness

Call to Action

AI already helps make decisions about your life. Demand that it protect your privacy, treat everyone fairly, explain itself, and keep a human in the loop.

- ❖ **You and I:** Many users may rely on System 1 thinking, fast and automatic when using AI tools, leading to over-reliance on AI recommendations.
 - Apply System 2 thinking, more deliberate and critical when interpreting AI outputs.
- ❖ **Developers:** Responsible AI involves ethical considerations in its development and deployment.
 - Evaluate the broader implications of AI technologies, ensuring that AI benefits everyone, regardless of their background or characteristics.
- ❖ **Distributors:** Responsible AI emphasizes the need for transparency in AI decision-making processes.
 - Demand that AI systems be more explainable and transparent to ensure that ethical standards are upheld and that AI serves the common good.

All of us have a role in making AI systems fair, honest, and good for society, whether we build them, use them, or are affected by them.

Our Responsible AI for the Whole Family: caregiving support alongside proactive cognitive health



Amicus CARE App



Amicus INTERACT App



To begin your free trial, open your phone's camera and scan the code to download the app.