

AI ETHICS & RESPONSIBLE AI

- Carolyn Pfeiffer
- Senior Director
- Johnson & Johnson Innovative Medicine

AGENDA

Things I've learned along the way

Responsible and Ethics

AI Ethics & Responsible AI

Healthcare examples

Errors and watchouts

AI Principles and Governance

Questions

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First job: stock worker in a drug store

Worst job: dishwasher in a restaurant

Best job: Senior Director, Data Science

College: what you study in college doesn't mean you will do this for the rest of your life

Jobs: grow your experience – take note of what you don't like to do

Meetings: the loudest voice in the room is the one that doesn't say anything

Titles: don't matter

Change: organize for it and always expect it

Mistakes: figure out what happened so you can learn from it

Communicate: communicate, communicate, communicate

Transparency: embrace transparency in all you do

Excuses: stop making them

Know when to lead

Know when to manage

Remember what you learned in Elementary Education

THINGS I'VE LEARNED ALONG THE WAY

Responsible: having an obligation to do something

Ethics: the difference between right and wrong and doing the right thing

DEFINING
RESPONSIBLE &
ETHICS

Ernst & Young to Pay \$100 Million Fine After Auditors Cheated on Ethics Exams

The S.E.C. said the cheating involved hundreds of the firm's workers from whom the fine was imposed by

Starbucks sued for alleged deceptive marketing of its '100% ethically' sourced coffee

Deutsche Bank Will Pay \$125 Million Over Bribery Violations

The German lender will enter a deferred prosecution agreement to resolve charges stemming from its attempts to win business in several countries.

Slammed for bribery, Siemens continued to ignore red flags

The collapse of Enron and the dark side of business

Boeing hid questionable parts from regulators that may have been installed in 737 Max planes, new whistleblower alleges

Former Wells Fargo executive avoids prison time for her role in fake-accounts fraud

[Ernst & Young to Pay \\$100 Million Fine After Auditors Cheated on Ethics Exams - The New York Times \(nytimes.com\)](#); [Starbucks sued for alleged deceptive marketing of its '100% ethically' sourced coffee | CNN Business](#); [Deutsche Bank Said to Pay \\$100 Million Over Bribery Charges - The New York Times \(nytimes.com\)](#); [Slammed for bribery, Siemens continued to ignore red flags | AP News](#); [The collapse of Enron and the dark side of business-BBC](#); [Boeing hid questionable parts from regulators that may have been installed in 737 Max planes, new whistleblower alleges | CNN Business](#); [Former Wells Fargo executive avoids prison time for her role in fake-accounts fraud | CNN Business](#)

RESPONSIBLE AND ETHICS EXAMPLES OF WRONGDOING

AI [ALGORITHM] ERRORS

How an algorithm denied food to thousands of poor in India's Telangana

It adopted AI in welfare schemes to weed out ineligible ones, but has wrongf

Privacy and AI: Schufa algorithm condemned by the CJEU

In December 2023, the Court of Justice of the European Union (CJEU) issued [Judgement C-634/21 on the Schufa case](#). This landmark ruling is set to shape the GDPR-friendly approach to future **AI-based businesses**. At a pivotal moment where AI takes center stage in the European Institutions' agenda, with efforts towards the adoption of the renowned European Regulation on Artificial Intelligence (the AI Act), the CJEU's arguments provide significant GDPR interpretations that will **impact all AI-based personal data processing activities**.

Google Apologizes After Controversy Over AI Image Feature

Volkswagen to Spend Up to \$14.7 Billion to Settle Allegations of Cheating Emissions Tests and Deceiving Customers

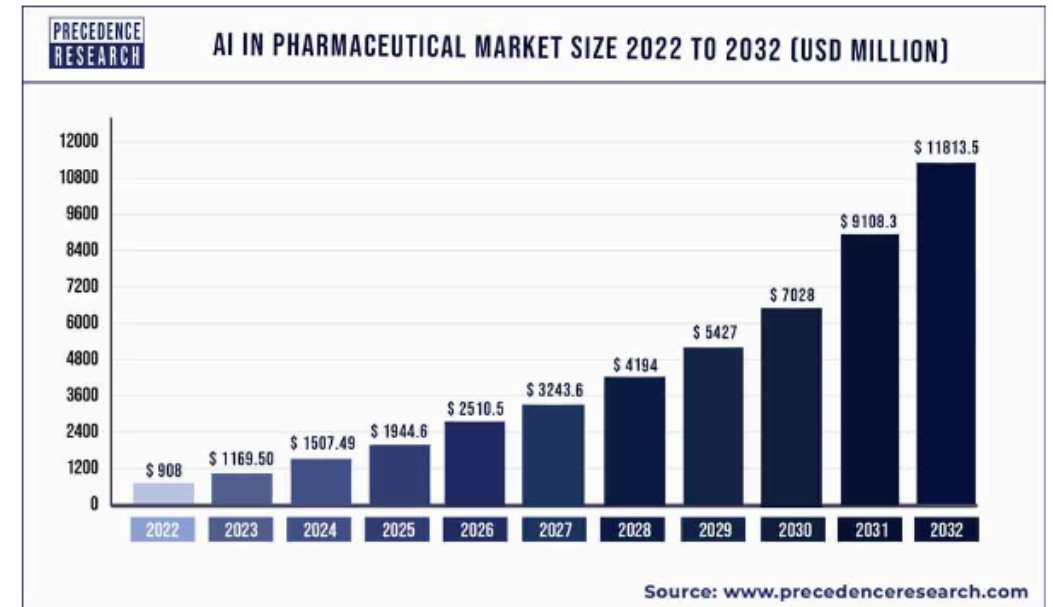
The delivery rider who took on his faceless boss

A tech-savvy Uber Eats worker was sick of the algorithms that controlled his day. So he decided to fight back

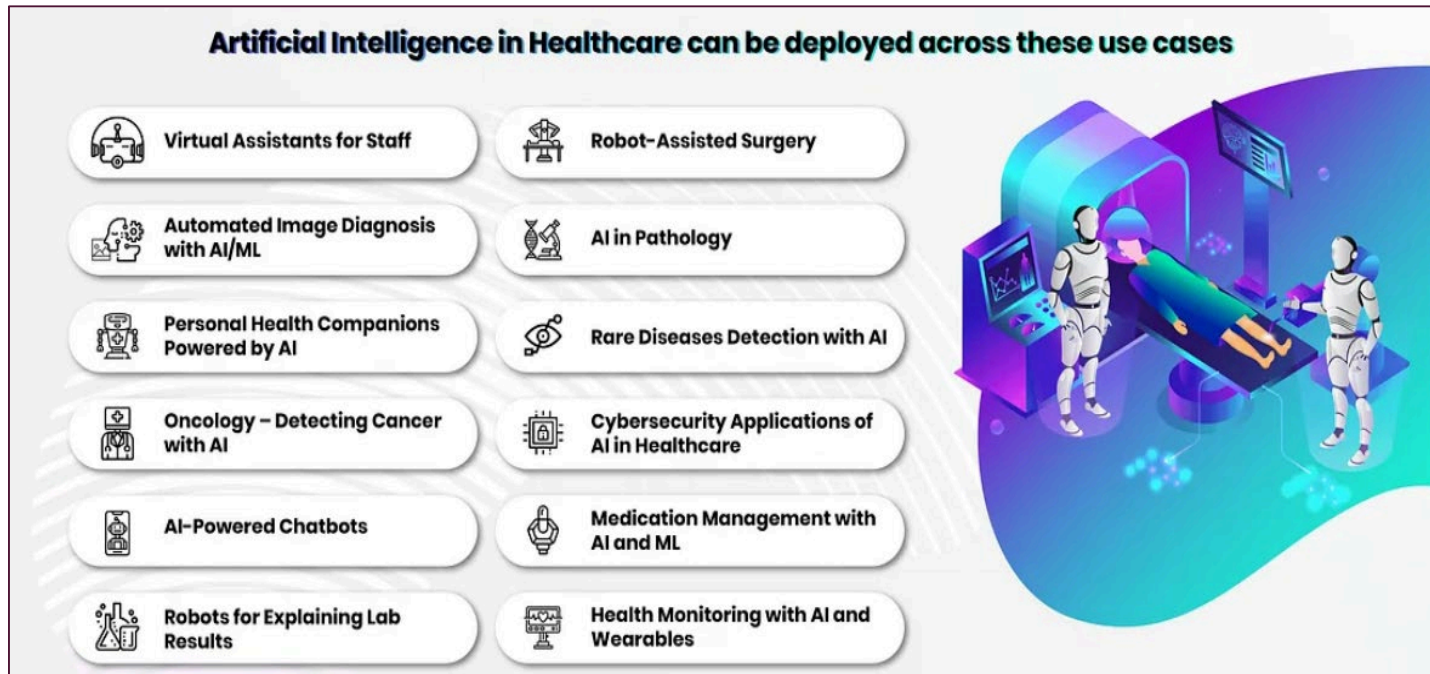
[How an algorithm denied food to thousands of poor in India's Telangana | Poverty and Development | Al Jazeera](#); [Privacy and AI: Schufa algorithm condemned by the CJEU \(datenschutz-notizen.de\)](#); [Google Apologizes After Controversy Over AI Image Feature — The InformationOffice of Public Affairs](#) | [Volkswagen to Spend Up to \\$14.7 Billion to Settle Allegations of Cheating Emissions Tests and Deceiving Customers on 2.0 Liter Diesel Vehicles | United States Department of Justice](#) [The delivery rider who took on his faceless boss \(ft.com\)](#)

AI IN HEALTHCARE

- AI in Healthcare is on the rise
- At present, 30+ Pharma Corporations applying advanced AI in healthcare and drug discovery
- 60% of the healthcare companies across the globe implement AI
- The global AI in pharmaceuticals market was \$0.9 billion in 2021 and projected to reach \$9 billion in 2030



[AI in Pharmaceutical Market Size, Share, Report 2023-2032 \(precedenceresearch.com\)](http://www.precedenceresearch.com)



AI IN HEALTHCARE EXAMPLES

U.K. researchers warn about biases in medical devices, health care algorithms

Dissecting racial bias in an algorithm used to manage the health of populations

Friend or foe: A closer look at the role of health care algorithms in racial and ethnic disparities

Penn Medicine-ECRI study points to ways to reduce potential for racial bias, inequity when using algorithms to inform clinical care

Why AI Failed to Live Up to Its Potential During the Pandemic

Where did IBM go wrong with Watson Health?

[U.K. researchers warn about biases in medical devices, algorithms \(statnews.com\)](#); [Dissecting racial bias in an algorithm used to manage the health of populations - PubMed \(nih.gov\)](#); [Friend or foe: A closer look at the role of h | EurekAlert!](#); [Why AI Failed to Live Up to Its Potential During the Pandemic \(hbr.org\)](#); [Where did IBM go wrong with Watson Health? \(qz.com\)](#)

ERRORS AND WATCHOUTS: AI IN HEALTHCARE

Principles – rules

[AI principles | OECD](#)

[Google AI Principles – Google AI](#)

[AI Ethics | IBM](#)

[Empowering responsible AI practices- Microsoft](#)

[AI ethics - gsk.ai](#)

Governance – guardrails

[Implementing AI Governance: from Framework to Practice](#)

[The shape of AI governance to come – KPMG](#)

[PDPC | Singapore’s Approach to AI Governance](#)

[AI Governance Frameworks For Responsible AI - Gartner](#)

AI PRINCIPLES AND GOVERNANCE