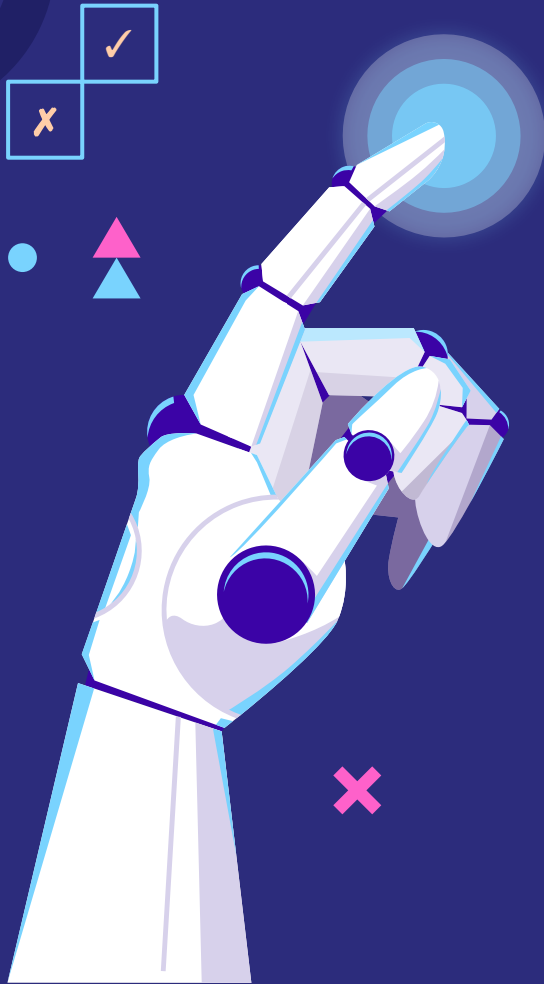


Artificial Intelligence Ethics

IEEE Artificial Intelligence Symposium 2023
Hisham Elkholy





Hisham Elkholiy

Mechanical Engineer by training
AI Product Manager - Stellantis

What is NOT Covered

AI Consciousness/Sentience

- Is ChatGPT conscious?
- Can silicon feel pain?

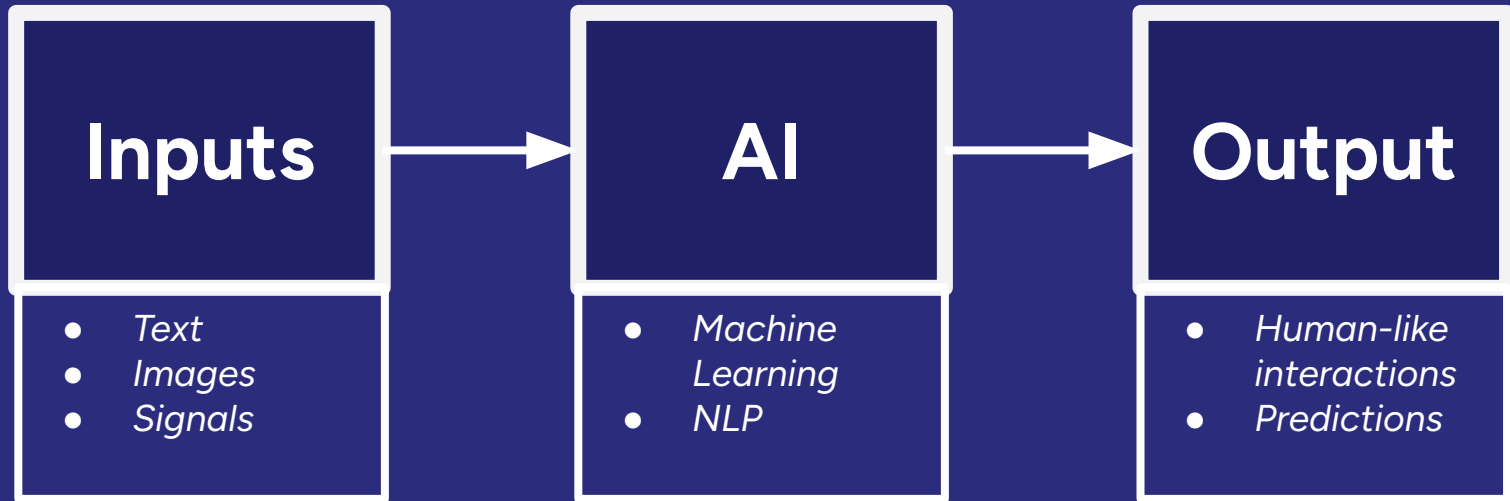
Singularity

- Is the technological singularity inevitable?
- How do I survive in a world where I don't belong to the smartest species?

Asimov's Laws

- Can ethics and morality be encoded into a machine?
- How do we determine which moral values to encode?

What is AI



AI Ethics Framework

Fairness

Is the AI model providing output that can be considered fair?

Explainable

Can somebody explain how the AI model provided its output?

Robustness

Is there certainty that the AI model was not manipulated to provide biased results?

Transparency

Does the end user know that decisions are being made by AI?

Data Privacy

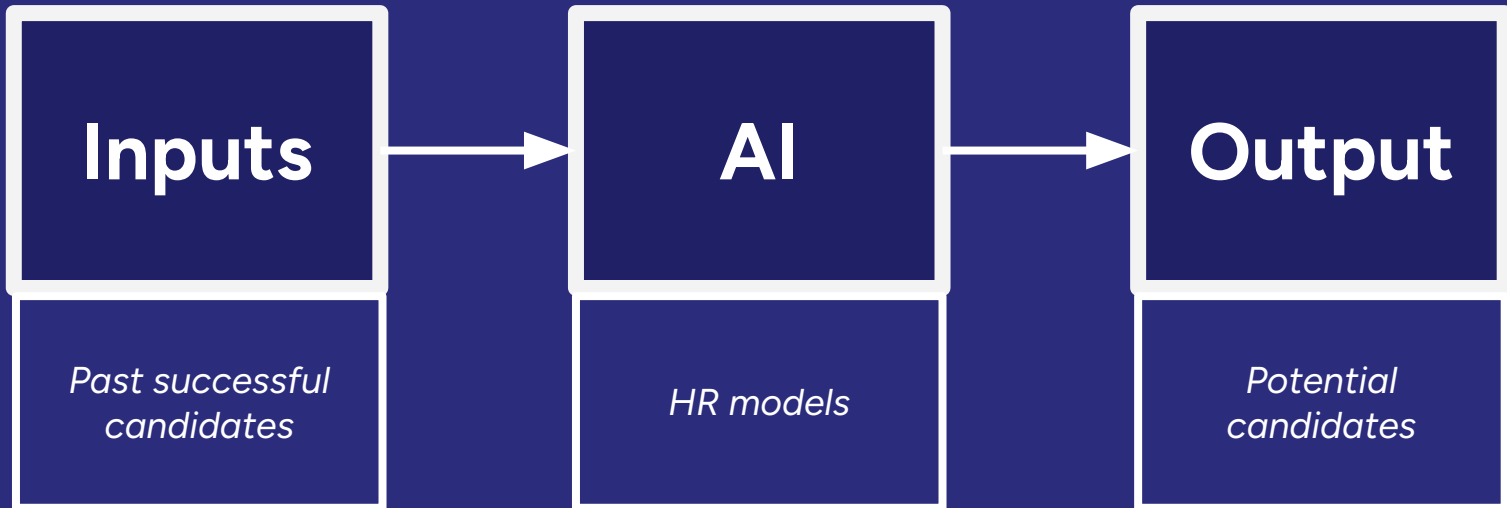
Is personal data utilised secure?



AI in Hiring

Hiring Automation

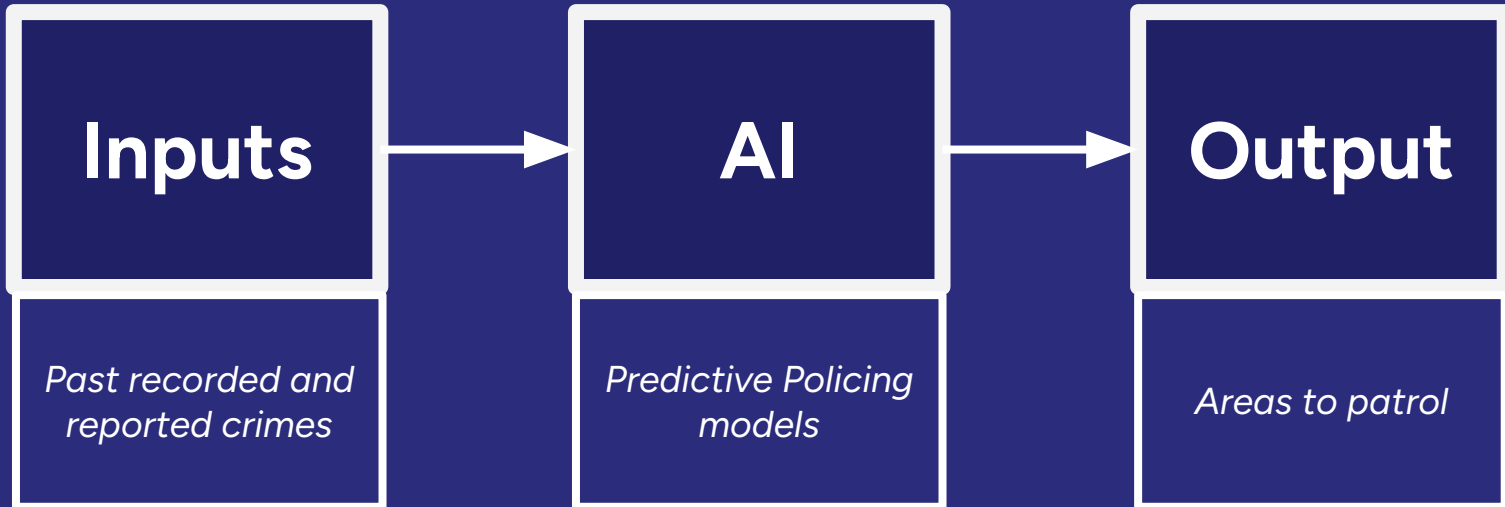
- HR identified as a job that is likely to be replaced by AI
- Could be used to automate screening, recruiting, or interviewing



AI in Policing

Predictive Policing

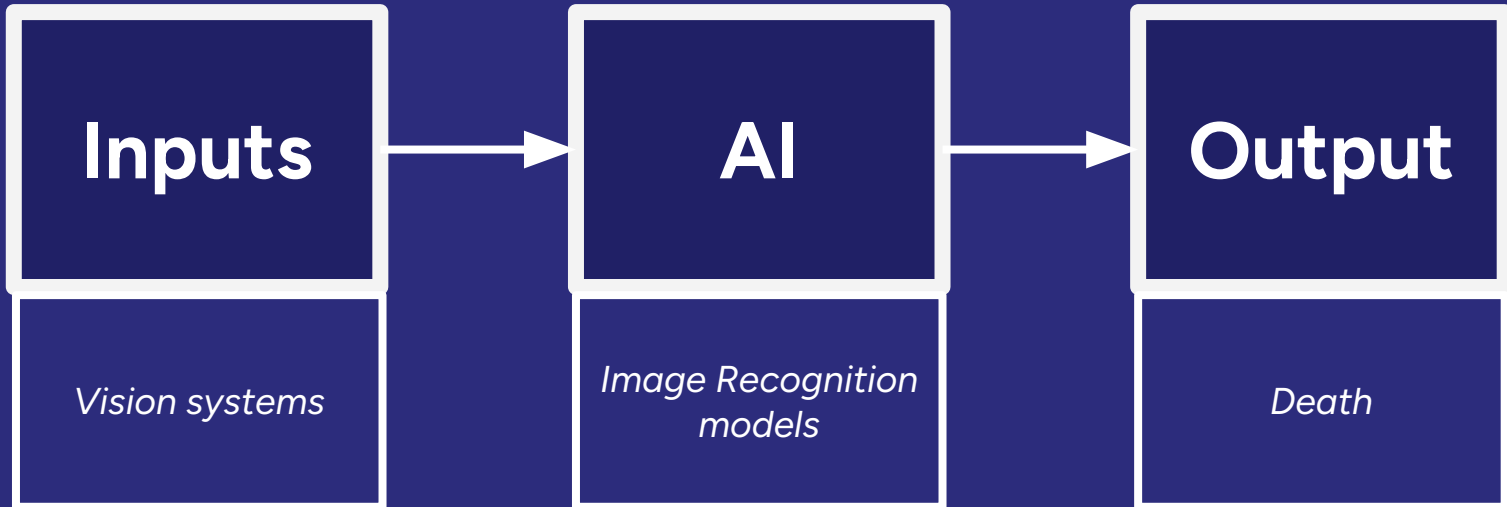
- Utilizing AI in law enforcement to identify areas of potentially high criminal activity
- Aimed at reducing crime



AI in State Sanctioned Violence

Autonomous Weapons

- Russia utilizing autonomous drones in Ukraine
- Israel deploys automated guns in refugee camp in Palestinian territory



Conclusion

Takeaways

- We are at a turning point in history
- Changes will not only be technological
- These concepts are not new

Further Reading/Watching

- Mo Gawdat (2021), *Scary Smart: The Future of Artificial Intelligence and How You Can Save Our World*
- Cathy O'Neil (2016), *Weapons of Math Destruction*
- Antony Loewenstein (2023), *The Palestine Laboratory: How Israel Exports the Technology of Occupation Around the World*
- Dannah Phirman (Writer), Danielle Schneider (Writer), (2019), Paddy's Has a Jumper [Season 14, Episode 8] *It's Always Sunny in Philadelphia*