

European Union

Artificial Intelligence Act

2 minutes overview

A quick summary of the EU AI Act

- Key points of the legislation
- Implementation timelines
- Potential impact on companies and individuals

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INTRODUCTION TO EU AI ACT

World's first comprehensive AI law

- Aims to address risks and promote innovation

Key objectives [\[Article 1\]](#)

- Protect fundamental rights and safety
- Enhance trust in AI
- Harmonize rules across EU
- Balance between risk mitigation and fostering innovation

Scope [\[Article 2\]](#)

- Applies to AI providers and users in EU
- Includes non-EU entities when output used in EU

RISK BASED APPROACH [CHAPTER II, III, IV]



- AI systems that pose a clear threat to safety, human rights etc. and are prohibited from use
- Examples: Social scoring systems
- [\[Article 5\(1\)\(c\)\]](#)

- AI systems that impact safety or fundamental rights
- Commonly found in critical infrastructure and employment
- Examples: AI in hiring tools, medical diagnosis
- [\[Annex III\]](#)

- AI systems requiring minimal transparency
- Examples: Chatbots like ChatGBT
- [\[Article 50\]](#)

- Common AI applications, requiring no regulatory oversight
- Includes the vast majority of AI applications
- Examples: Spam filters, AI in video games

HIGH-RISK AI SYSTEMS

Key requirements for providers of High-Risk AI systems

- Risk assessment and mitigation [[Article 9](#)]
- Data governance and documentation [[Article 10](#)]
- Human oversight [[Article 14](#)]
- Accuracy, robustness, and cybersecurity [[Article 15](#)]

Obligations for deployers of High-Risk AI systems

- Use according to instructions
- Monitor operation and report incidents
- Conduct data protection impact assessments
- For more details, refer to [[Article 26](#)]

GENERAL PURPOSE AI SYSTEMS

Obligations for GPAI providers [\[Article 53\]](#)

- Prepare technical documentation
- Provide compliance information to downstream providers
- Establish copyright policy
- Publish training content summary
- Have transparency and risk management methods in place

AI Office oversight [\[Article 88\]](#)

- Monitors GPAI compliance
- Conducts evaluations and investigations
- Can impose corrective measures or fines

GOVERNANCE AND ENFORCEMENT



Multi-level governance structure

European level

- AI Office [[Article 64](#)]
- AI Board [[Article 65](#)]
- Advisory Forum [[Article 67](#)]

National level

- Market Surveillance Authorities [[Article 70](#)]



Enforcement mechanisms

- Significant fines for non-compliance [[Article 99](#)]
- Powers to access data and conduct audits [[Article 74](#)]
- Whistleblower protections [[Article 87](#)]



Tiered fine structure

- Highest fines applied to violations of prohibited AI practices
- Lower fines for other non-compliance issues
- For more details, refer to [[Article 99](#)]

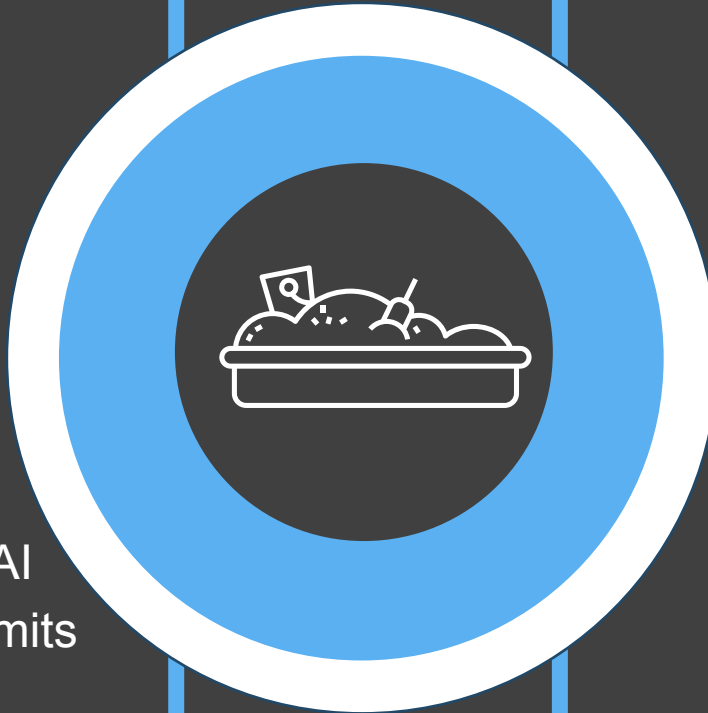
SUPPORT FOR INNOVATION

AI regulatory sandboxes

- Controlled testing environments
- Priority access for SMEs and startups
- [\[Article 57\]](#)

Real world testing

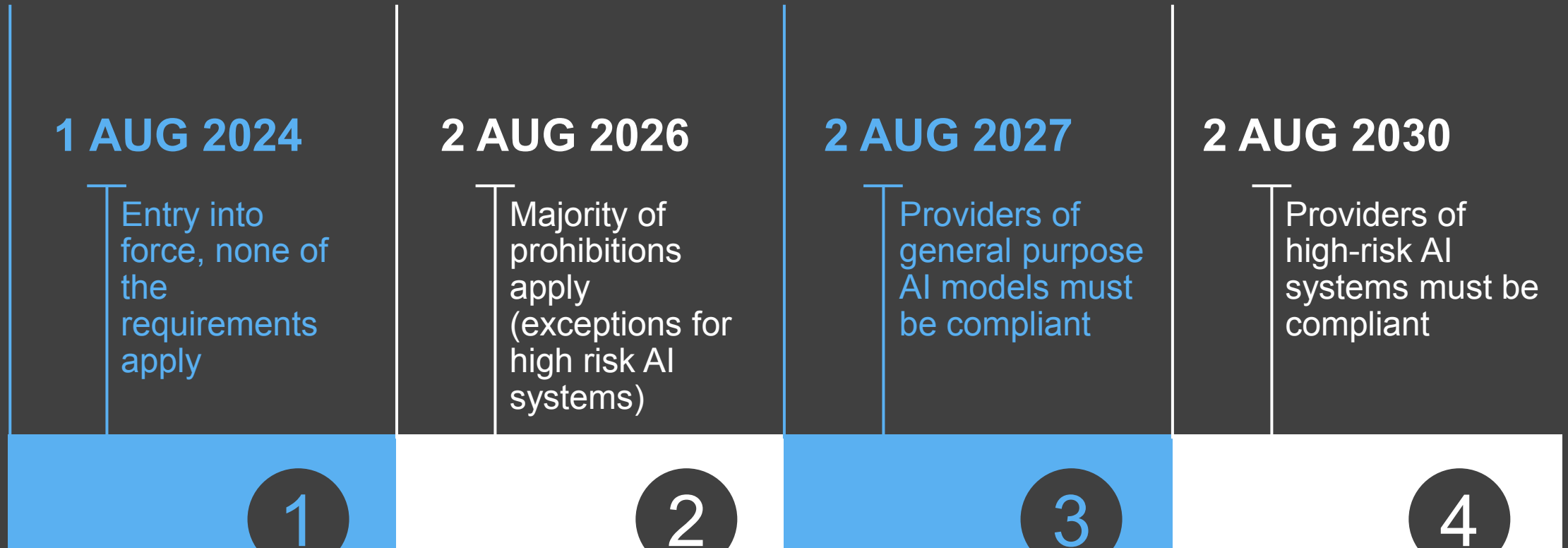
- Limited scale testing of high-risk AI
- Subject to safeguards and time limits
- [\[Article 60\]](#)



Codes of conduct

- Voluntary guidelines for non-high-risk AI
- Address issues like sustainability and accessibility
- [\[Article 95\]](#)

IMPLEMENTATION TIMELINE



**Gradual
implementation**

Allows time for adaption and
preparation

Different deadlines for various
aspects of the Act

Full timeline for the
EU AI Act

KEY TAKEAWAYS

01	02	03	04	05
Comprehensive approach to AI regulation <ul style="list-style-type: none">• Balances innovation with risk mitigation <p>[Article 1]</p>	Risk-based framework <ul style="list-style-type: none">• Tailored requirements based on AI system impact <p>[Articles 5,6,50]</p>	Emphasis on transparency & accountability <ul style="list-style-type: none">• Right to explanation, public database for high-risk AI <p>[Articles 13,71]</p>	Support for innovation <ul style="list-style-type: none">• Sandboxes, real-world testing, SME considerations <p>[Articles 57, 60, 95]</p>	Ongoing process <ul style="list-style-type: none">• Gradual implementation, periodic reviews <p>[Article 112]</p>

FURTHER READING

Data Governance for AI/ML activities

- Impact on Data Governance in AI/ML activities due to the GDPR Act and the EU AI Act - [Learn More](#)

Practical Guide to EU AI Act

- [Learn More](#)

How AI Act builds on GDPR

- [Learn More](#)
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ABOUT THE AUTHOR

**Hi, I am Kunal Pathak,
an AI/ML enthusiast based in Berlin**

I have created educational materials on the EU AI Act.

Check out my other work here:

[Portfolio Website](#)

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[LinkedIn Profile](#)



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