Using artificial intelligence in Adobe applications

Course code: ADOBEAI

The course presents the conceptual and practical use of artificial intelligence in the Adobe ecosystem - from the basic distinction between assistive and generative approaches to their real-world impacts on the work of a graphic designer. It explains the principles of creating prompts, the limits of generative models, and the functioning of generative credits. It provides an overview of where AI speeds up workflow and where, on the contrary, it requires control and correction.Participants will go through key web and desktop tools containing AI functionality and learn how to use it for creating and editing images, video, audio, and vector graphics. The outcome is an orientation in current AI tools in Adobe applications and the ability to effectively deploy them in production practice.Given the rapid development in the field of AI, the course topics will always be adapted to the current state.

Who is the course for

The course is intended for users of desktop or web Adobe applications who want to use all the assistive and generative intelligence tools in them.

Required skills

Basic orientation in some desktop or web Adobe applications (Photoshop, Illustrator, InDesign, Premiere, Adobe Express).

Course outline

Introduction to AI in Graphics

- What artificial intelligence (AI) is in graphics
- Assistive vs. generative AI
- Prompt creation
- Limitations of generative AI in Adobe applications
- Detection of AI-generated content
- Impact of AI on designers and creative workflows
- Generative credits
- Legal aspects of AI

Practical demonstrations of AI in Adobe web applications

Adobe Firefly

- Generate image
- Generative fill
- Generate vectors
- Generate video
- Generate sound effects
- Generate soundtrack
- Generate speech

Adobe Express

- Generate image
- Generate video
- Generate template
- Generate text effects
- Generate clip
- Generate presentation
- Remove object
- Insert object

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- Caption video
- Enhance speech

Project NEO

- Generate image from scene

Practical demonstrations of AI in Adobe desktop applications

Adobe Photoshop

- Generative fill
- Generative expand
- Background generation
- Generate image
- Generate similar
- Remove tool
- Generative upscale
- Harmonization
- Neural filters
- AI denoise
- AI sharpen
- Object selection tool
- Automatic segmentation

Adobe Illustrator

- Generate vectors
- Generate patterns
- Generative shape fill
- Generative recolor
- Generative expand
- Generative bleed
- Rotate
- Retype
- Model
- Image vectorization

Adobe InDesign

- Generate image
- Generative expand
- Object detection for text wrap
- Subject detection for crop

Adobe Camera RAW

- Generative expand
- Generative remove
- Remove distractions
- Adaptive profiles and presets
- Automatic masks
- Denoise
- RAW detail enhancement
- Super resolution
- Lens blur

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Using artificial intelligence in Adobe applications

Adobe Lightroom

- Assisted selection
- Automatic grouping
- Face detection
- Content-based search

Adobe Premiere

- Generative extend tool
- Search by description
- Text transcription
- Enhance speech
- Object mask tool
- Remix tool

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