





CERTIFICATE IN AI TOOLS

 **Dates:** 22, 24, 29 April & 6, 8, 13, 15, 20 May 2024
from 5:30 pm till 8:30 pm

 **Fees:** 390\$ (Fresh Dollars)

 **Modality:** Online on Zoom

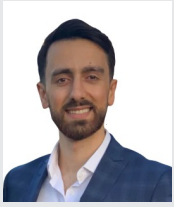
 **Main Language:** English

 **Target audience :** This course is designed for professionals and students across various fields seeking to incorporate AI tools into their work or studies, enhancing productivity, creativity, and problem-solving capabilities. No prior expertise in AI is required.

Deadline for registration:
April 16, 2024

 **For Registration :** [click here](#)





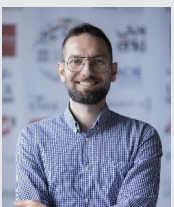
Soulayman Al-Abdallah

Mr. Soulayman Al-Abdallah, a certified Machine Learning developer and AI Instructor from Lebanon, blends his expertise in energy engineering with advanced AI skills to promote digital innovation. With achievements in both academia and practical applications, including a notable victory in a digitalization competition at ADIPEC2017 and diverse experience ranging from data science to voice-over artistry, he stands out as a versatile and dedicated AI educator. Mr. Al-Abdallah is an expert trainer at the Professional Training Center of USJ.



Amanda Hachem

Mrs. Amanda Hachem Salloum is a highly experienced AI instructor and mentor with a strong background in engineering and a passion for sharing knowledge in Artificial Intelligence and Data Science. Through her role at ZAKA and previous positions, she has demonstrated exceptional leadership in delivering educational programs, workshops, and mentorship initiatives, showcasing her ability to bridge technical complexity with accessible learning for diverse audiences. Her fluency in English and Arabic, along with professional accolades such as Microsoft Certifications and published research, highlight her dedication to driving the future of AI education worldwide. Mrs. Hachem Salloum is an expert trainer at the Professional Training Center of USJ.



Christophe Zoghbi

Mr. Christophe Zoghbi is an accomplished software engineer with extensive experience spanning over 12 years in various areas of Data Science and Artificial Intelligence. In addition to his technical expertise, he is also a seasoned entrepreneur with a track record of launching and scaling successful ventures. As the visionary Founder & CEO of Zaka, an Artificial Intelligence education and consulting company, Mr. Zoghbi is passionate about promoting the growth of the AI sector, with a particular focus on the MENA region. His dedication to advancing AI is further demonstrated through his role as the Founder & President of Beirut AI, an esteemed NGO. Mr. Zoghbi is an expert trainer at the Professional Training Center of USJ.

LEARNING OUTCOMES:

- Acquire foundational knowledge in AI principles and understand various domains of AI application.
- Master the utilization of ChatGPT for diverse purposes, progressing from basic to advanced techniques.
- Gain proficiency in visual synthesis for creating and manipulating images and videos with AI.
- Learn to craft audio content using AI tools, enhancing multimedia projects.
- Develop skills in creative problem-solving by leveraging AI technologies.
- Understand the implications of data usage, ethical considerations, and anticipate future trends in AI.

KEY CONCEPTS:

- AI Fundamentals and Domains: Explore the essential principles of AI and its application across different industries.
- Comprehensive Mastery of ChatGPT: Delve into utilizing ChatGPT for text generation and data analysis to streamline workflows.
- Visual Synthesis Techniques: Learn to use AI for generating and editing visual content, including images and videos.
- AI in Audio Production: Discover how AI tools can revolutionize audio content creation, from music to voice-overs.
- AI-Driven Creative Problem Solving: Employ AI strategies to foster innovative thinking and solutions in complex scenarios.
- Ethics and Future of AI: Address the ethical considerations in AI use and explore emerging trends and potential future impacts of AI technologies.

MODULE	DESCRIPTION	DATE	EXPERT
1. AI Fundamentals	a. Introduction to Artificial Intelligence b. A quick history of AI c. The Data Science Life cycle d. Generative AI	22 April 2024	Amanda Hachem Salloum
2. Domains of AI	a. What is Machine Learning? b. Computer Vision c. Natural Language Processing	24 April 2024	Amanda Hachem Salloum
3. ChatGPT Fundamentals	a. Introduction to ChatGPT i. What are LLMs? ii. How ChatGPT works b. Examples and Practical Uses c. ChatGPT & Personal Productivity	29 April 2024	Soulayman Al Abdallah
4. Advanced ChatGPT Mastery	a. ChatGPT Plugins b. Custom GPTs c. Multimodal AI d. Data Analysis with ChatGPT e. Ethics & Future of ChatGPT	6 May 2024	Christophe Zoghbi
5. Visual Synthesis: Mastering AI for Image & Video Generation	a. What is image generation? b. Common Image Generation Tools c. Prompt engineering for image generation d. From images to videos e. Common video generation tools	8 May 2024	Soulayman Al Abdallah
6. Crafting Audio with AI	a. How Can AI Impact Audio? i. Automated Mixing ii. Audio creation iii. Audio Translation iv. Voice Cloning b. Exploring the tools c. A spectrum of real-world applications	13 May 2024	Soulayman Al Abdallah
7. Creative Problem Solving with AI	a. AI Capabilities and Limitations b. Framework for applying AI in Problem Solving c. Build your AI Solution in 30 minutes	15 May 2024	Amanda Hachem Salloum
8. Data, Ethics, and Future of AI	a. Data Essentials b. AI Challenges i. Data Scarcity ii. Adversarial Attacks iii. Fake News and Disinformation iv. IP & Ownership v. Ethical Challenges	20 May 2024	Soulayman Al Abdallah