



ARTIFICIAL INTELLIGENCE TECHNOLOGY: SUMMER SCHOOL 2023

The most anticipated IT event
of summer 2023



LVIV
UNIVERSITY

Every summer, three years in a row we invite the best industry specialists, experts, mentors and lecturers from leading IT companies to create a unique educational platform for studying the features and novelties of artificial intelligence technologies.

Goal: To create an educational platform for studying theoretical foundations and practical skills between students and the IT industry in the field of artificial intelligence. To strengthen the attention of students of technical specialities to the challenges and opportunities provided by the technology of artificial intelligence. To create a basis for the development and creation of innovative products and solutions that use artificial intelligence.

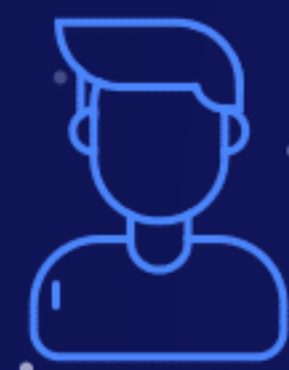
Artificial intelligence is a powerful driver of change that opens up limitless opportunities for the development of the latest technologies.



LVIV
UNIVERSITY

AIT EXPERIENCE 2021-2022 ONLINE

2021



more than
350 participant



26 specialists
from the IT industry



14 companies

2022



more than
400 participants
+ international students



36 specialists
from the IT industry



19 companies

JOIN US IN 2023

AIT 2023

When: June 2023

Format: Online/exclusive offline meetings

School language: English

Target audience: Students of technical specialities in Ukraine and abroad.

School Topics: Python, Big Data, Cloud Computing, Databases, Machine Learning, Deep Learning, Mobile Development, Web Development, Modern technologies of Artificial Intelligence

More: link to the site <http://ai.lnu.edu.ua/>

Whom we are looking for (or we need):

- speakers, mentors, mentors for school work
- partners for high-quality presentations of the school

Write to our inbox: marketing@lnu.edu.ua

PS. By creating artificial intelligence, we open up limitless possibilities for the future, where machine and man can work together to achieve incredible successes in science, art and life in general – chat GPT!

BASIC TOPICS (3 DAYS)

DAY 1

Python for DS, ML&DL

Python

Python basics

Python for data analysis

Python for visualization

Python for data mining

Machine Learning toolchain

Numpy, Pandas, Scikit-learn

TensorFlow, Keras, PyTorch

Apache MXNet

OpenCV

OpenAI Gym, Apache Airflow

Git, Data Version Control (DVC)

DAY 3

Machine learning basics

Supervised Machine Learning

Reinforcement Machine Learning

Unsupervised Machine Learning

Deep learning

DAY 2

Big data and cloud computing

Big Data

Big Data in AWS

Big Data in GCP

Big Data in Azure

Big Data Visualization

Cloud services and technologies.

Cloud computing

Amazon Web Services

Google Cloud Platform

MS Azure

SaaS, PaaS and IaaS

Industry Cloud Platforms

Databases

Relational, non-relational,
distributed databases

Data warehouse, ETL, Data Workflows

ADVANCED TOPICS

Advanced Machine learning

CV, Image recognition and classification, NLP, Speech recognition, Audio recognition, Text recognition and emotion detection, Deep learning for forecasting, End-to-end Machine learning projects/models to solve practical problems, Generative models, artificial art, Language models, Transformers, BERT, GPT models family (GPT-1, 2, 3, 3.5, 4), Adaptive AI, AI Trust, Democratized AI, Risk and Security Management (AI TRiSM), AutoML, Multi-modal learning

High-performance computing

Fundamentals of parallel, hybrid and distributed computing, Getting Started with Jetson Xavier NX Developer Kit, Getting started with Google Coral's TPU USB, Accelerator or/and Google Coral , Development Board

Mobile development

Android, iOS, Flutter, Kotlin Multiplatform for Cross-Platform Mobile Development, Swift, React Native for mobile, Integration of artificial intelligence systems in mobile development, Distribution of mobile applications

Web development

Web development using Flask / Django, Authentication methods for web services, Organization of infrastructure and deployment of web services, Web analytics, Social network analysis, Crawlers, analytical platforms, Integration of artificial intelligence systems in web development, JavaScript

Software development

C, C++, Java, Go,
Digital Immune System,
Superapps,
Platform Engineering,
AI Code Generation

IoT, IIoT, AIIoT

Internet of Things, Industrial Internet of Things,
Artificial Intelligence of Things,
Edge AI, Embedded AI

AI in Automotive

Atomization AI

Virtual reality, Metaverse, Digital twins

Usage of AI in modern services, applications, platforms

AI in COVID researches and solutions,
AI in sustainable, ecological and environmental technologies,
Decision Support Systems and Applied Observability

Cyber security and AI

Soft Skills

Communication
Collaboration and teamwork
Time management and organization
Empathy / Emotional intelligence
Owning up to errors
Problem solving and creativity
People skills and management
Innovation
Analytical thinking

Facebook –
approx.

25 000

readers

Instagram –
approx.

14 000

readers

AN AUDIENCE TO SPREAD THE WORD ABOUT AIT 2023 AND ITS PARTNERS

Telegram –
more than

4 000

readers

Linkedin – over

33 000

subscribers