AI 2023
TECHNOLOGY

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

2022

more than
400 participants
+ international students

36 specialists
from the IT industry

19 companies

2021

more than
350 participant

26 specialists
from the IT industry

14 companies

JOIN US IN 2023
AIT 2023

When: 26 June – 7 July 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, AIoT

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