EUROPEAN INFORMATION TECHNOLOGIES CERTIFICATION INSTITUTE, ASBL.

Brussels, Belgium, European Union

CERTIFICATE

Martyna Sadrak

Has successfully completed test requirements of
The European Information Technologies Certification Programme

EITC/AI/DLPTFK Deep Learning with Python, TensorFlow and Keras

Certification Programme examination result: 86.67%

Certification Programme description:

Introduction: deep learning with Python, TensorFlow and Keras; Data: loading in your own data; Convolutional neural networks (CNN): introduction to convolutional neural networks (CNN); TensorBoard: analyzing models with TensorBoard, optimizing with TensorBoard, using trained model; Recurrent neural networks: introduction to Recurrent Neural Networks (RNN), introduction to Cryptocurrency-predicting RNN, normalizing and creating sequences Crypto RNN, balancing RNN sequence data, cryptocurrency-predicting RNN Model

Certificate Programme version/revision: EITC/AI/DLPTFKv1r1

CERTIFICATE ID: **EITC/AI/DLPTFK/SLJ26004700**

To validate authenticity of this certificate or review its programme and test results scan/click QR code or visit:
www.eitci.org/validate

DATE OF ISSUE:
September 2026
Brussels, Belgium
European Union