

This is to certify that **Ivan Kozyrev**
successfully completed year training programme
at MADE Big Data Academy and was qualified as Data Scientist

TERM 1

Subject	Hours	Instructor	Grade
Intensive Python	32	Gennady Kandaurov, Anton Kukhtichev	passed
Intensive Computer Science	16	Artem Agafonov	passed
Algorithms and Data Structures	64	Grigory Shovkoplyas	A
Machine Learning	48	Radoslav Neichev	A
MLOps	40	Mikhail Maryufich	A
Advanced Python	40	Gennady Kandaurov, Anton Kukhtichev	A
Large Scale Machine Learning	36	Andrey Kuznetsov	A
Study project. Production and deployment of ML/DS product	12		passed

Final
Project

Erotic/NSFW query detection

TERM 2

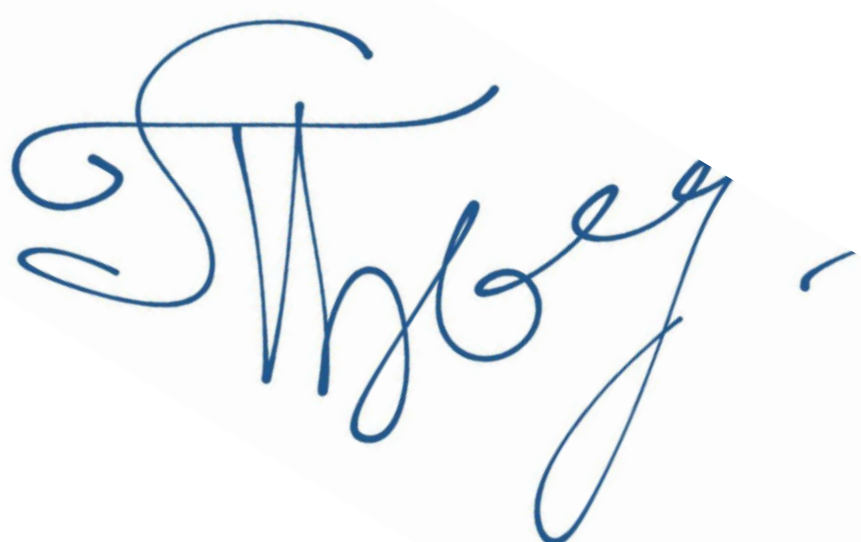
Subject	Hours	Instructor	Grade
Deep Learning	16	Ivan Karpukhin, Radoslav Neichev, Fedor Kishatov, Boris Lestsov	passed
Advanced Machine Learning	48	Sergey Nikolenko	A
Optimization Methods on Machine Learning	48	Marina Danilova, Alexander Rogozin, Alexander Gasnikov, Eduard Gorbunov	passed
Computer Vision	56	Ivan Karpukhin, Fedor Kishatov	A
Natural Language Processing	52	Radoslav Neichev	A
Recommender systems	28	Nikolai Anokhin, Daria Nikanorova	A
Machine Learning. Spark	16	Dmitrii Bugajchenko	passed

Idea author	Fedor Petryaikin	Grade	5	June 2023
Mentor	Aleksandr Zmeev, Mikhail Arkhipov			

Anna Stepanova
Deputy Vice President
for Educational Projects



Tatsiana Tsygan
Executive Director,
MADE Big Data Academy



Julia Bulgatova
Project Manager,
MADE Big Data Academy

