

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 |

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 |

Final Project

Erotic/NSFW query detection

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

