Accenture Specs seminar:

Cut-of-age industry advances in AI

Lecturers of the seminar: Accenture IT experts

If you want to break into cutting-edge AI, this course will help you do so!

Artificial Intelligence (AI) is no longer science fiction. It is rapidly permeating all industries and having a profound impact on virtually every aspect of our existence. AI is a constellation of technologies—from machine learning to natural language processing—that allows machines to sense, comprehend, act and learn. From autonomous driving vehicles that use computer vision, to live translations made possible by artificial neural networks, AI is making every interface both simple and smart—and setting a high bar for how future interactions will work.

This course is designed for everyone interested in learning what is AI with little or no background in AI. During the course students will get a firm understanding of what is AI, its applications and use cases across various industries. You will become acquainted with terms like Machine Learning, Deep Learning and Neural Networks, Computer Vision and others.

Aim of the specs seminar: to provide broad introduction to AI
Format of the specs seminar: lectures, practical work.
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Content of the seminar:

1. Browsing of AI area (Artificial Intelligence, Machine learning, Deep learning);

2. Applied AI in software development;

3. Deep learning understanding (Technology: Machine Learning, Deep Learning, Neural Networks, CNN, Feed-forward networks, Keras, Tensorflow)

4. Computer Vision and objects classification (Computer Vision, Image processing, Object classification by CNN)

5. Optical character recognition and NLP (Image processing, OCR, NLP, Word2Vec, Test classification)

6. Cloud AI software development (Cloud calculation, Common Architecture of AI applications, AWS, Lambdas.

7. Cloud Native services with a focus on AI

8. Testing of AI;

9. Practical task;

10. Practical work presentation

Duties of student: to pass the Test (40%) and present practical task results (60%)