



European Partner Simplilearn

26-28 Rue Edward Steichen, L-2540 Luxembourg

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Deep Learning with Keras and Tensorflow

Course Overview:

The Deep Learning with Keras and TensorFlow course helps you master the concepts of artificial neural networks, Keras and TensorFlow frameworks, autoencoders, and deep learning techniques. It enables you to build deep learning models, implement deep learning algorithms and interpret the results.

Course Highlights:

- 34 hours of applied learning
- Real-life industry-based projects
- Flexibility to choose classes
- Dedicated mentoring session from our industry experts

Course Delivery Method:

Online Bootcamp- Online self-paced video-based learning and live virtual classroom conducted by a leading coach in the industry. This course includes Simplilearn's Integrated lab platform.

Prerequisites:

To take this Deep Learning with Keras and TensorFlow course, you should have a basic understanding of programming fundamentals, statistics, mathematics, and machine learning concepts.

Skills Covered:

- Keras framework
- TensorFlow framework



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- PyTorch
- Image classification
- Convolutional networks
- Recurrent neural networks

Tools Covered:

Keras, TensorFlow, PyTorch

Who Will Benefit(Persona):

The Deep Learning with Keras and Tensorflow course is best suited for data analysts, data scientists, statisticians with an interest in deep learning, and software engineers.

Key Learning Outcomes:

- Understand the concepts of Keras and TensorFlow, its main functions, operations, and the execution pipeline
- Implement deep learning algorithms, understand neural networks, and traverse the layers of data abstraction
- Master and comprehend advanced topics such as convolutional neural networks, recurrent neural networks, training deep networks, and high-level interfaces
- Build deep learning models using the Keras and TensorFlow frameworks and interpret the results
- Understand the language and fundamental concepts of artificial neural networks, application of autoencoders, and PyTorch and its elements
- Troubleshoot and improve deep learning models
- Build your own deep learning project
- Differentiate between machine learning, deep learning, and artificial intelligence

Certification Criteria:

- At least 85 percent attendance of one live virtual classroom
- A score of at least 75 percent in course-end assessment
- Successful evaluation in the course-end project



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About us:

Synermesh SA The Synermesh PAAS (powered by the Zoho SAAS; Simplilearn LMS); PMI training) connects the our staff & partners with the top Banks; Funds Administrators; and Funds Managers active in Luxembourg. Within our platform we provide access to our consultants to: tools to support project management & digital transformation: accounting services; training services; and specialised tools to support the specific operations related to Fund Administration

Simplilearn is a leader in digital skills training, focused on the emerging technologies that are transforming our world. Our blended learning approach drives learner engagement and is backed by the industry's highest completion rates. Partnering with professionals and companies, we identify their unique needs and provide outcome-centric solutions to help them achieve their professional goals.

Founded in 2009, Simplilearn is one of the world's leading providers of online training for Digital Marketing, Cloud Computing, Project Management, Data Science, IT Service Management, Software Development and many other emerging technologies. Based in Bangalore, India, San Francisco, California, and Raleigh, North Carolina, Simplilearn partners with companies and individuals to address their unique needs, providing training and coaching to help working professionals meet their career goals. Simplilearn has enabled over 1 million professionals and companies across 150+ countries train, certify and upskill their employees.

Simplilearn's 400+ training courses are designed and updated by world-class industry experts. Their blended learning approach combines e-learning classes, instructor-led live virtual classrooms, applied learning projects, and 24/7 teaching assistance. More than 40 global training organizations have recognized Simplilearn as an official provider of certification training. The company has been named the 8th most influential education brand in the world by LinkedIn.