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Feedforward Neural Networks >
1. Unit 3 Overview

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1. Unit 3 Overview
Overview

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At the end of this unit, you will be able to

- Implement a **feedforward neural networks** from scratch to perform image classification task.

- Write down the gradient of the loss function with respect to the weight parameters using **back-propagation** algorithm and use SGD to train neural networks.

- Understand that **Recurrent Neural Networks (RNNs)** and **long short-term memory (LSTM)** can be applied in modeling and generating sequences.

- Implement a **Convolutional neural networks (CNNs)** with machine learning packages.

Discussion

Topic: Unit 3 Neural networks (2.5 weeks):Lecture 8.
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? **STAFF Due date** Again, the due date of unit 3 is different from the syllabus and calendar.	2
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