Neural Networks are a special type of
mathematical expressions.

Forward Pass & Backward Propagation

We will implement forward Pass & Back-
ward Pass in Python. For learning purpose,

In production,

there are multiple libraries already implemented
for neural network training.

Deep learning framework :-

1) [Pytorch]   2) Tensorflow   3) Keras

1) Pytorch :- Meta, Indian (core) → Start
        →| Proud |→ Vit   ing
    LeXunn   vellore Indian
                        US → mtech
                        Somith chintala

2) Tensorflow → developed by google (TPUs)

3) Keras → Francois chollet → 2015

4) JAX

In the simplest form, we want to write
our own such DL library for education
purpose. → micrograd

· micrograd →

1 Forward Pass   2) Backward Pass
3) Scalar values   4) suff. for Binary
                        classification.