### SOFTWARE DESCRIPTION

### DEEP LEARNING STUDIO

### Deep Learning Studio is a software tool that aims to simplify the creation of deep learning models used in artificial intelligence. It is compatible with a number of open-source programming frameworks popularly used in artificial neural networks, including MX Net and Google's TensorFlow.It is the first robust deep learning platform available in two versions (cloud and desktop) with a visual interface in production since January 2017. The platform provides a comprehensive solution to data ingestion, model development, training, deployment and management. It is developed by Deep Cognition which is an AI software company that simplifies the process of developing and deploying Artificial Intelligence. AI Engineers, Data Scientists and researchers across the globe use their AI software platform, Deep Learning Studio, free of charge. In Deep Learning Studio pre-trained models as well as use built-in assistive features simplify and accelerate the model development process. One can import model code and edit the model with the visual interface. The platform automatically saves each model version as one iterates and tunes hyper-parameters to improve performance. One can compare performance across versions to find their optimal design.

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**FIG 2.1.Deep Cognition Logo**

**DATASET DESCRIPTION**

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The dataset contains images of 62 wild edible plants, gathered off the internet. The photos are under the size of 300K. I know I found my project – image recognition – later making also a mobile app for it, that would recognize which of the plants I encounter are good to eat, and also offer information on which parts of the plant are edible, and which are not, or maybe even dangerous if ingested. The 62 wild edible plants are

[1. Fireweed](https://basisgear.com/edible-wild-plants/#tab-con-2)

[2. Dandelion](https://basisgear.com/edible-wild-plants/#tab-con-3)

[3. Chickweed](https://basisgear.com/edible-wild-plants/#tab-con-4)

[4. Curly Dock](https://basisgear.com/edible-wild-plants/#tab-con-5)

[5. Asparagus](https://basisgear.com/edible-wild-plants/#tab-con-6)

[6. Chicory](https://basisgear.com/edible-wild-plants/#tab-con-7)

[7. Wood Sorrel](https://basisgear.com/edible-wild-plants/#tab-con-8)

[8. Bull Thistle](https://basisgear.com/edible-wild-plants/#tab-con-9)

[9. Alfalfa](https://basisgear.com/edible-wild-plants/#tab-con-10)

[10. Broadleaf Plantain](https://basisgear.com/edible-wild-plants/#tab-con-11)

[11. Creeping Charlie](https://basisgear.com/edible-wild-plants/#tab-con-12)

[12. Forget Me Not](https://basisgear.com/edible-wild-plants/#tab-con-13)

[13. Garlic Mustard](https://basisgear.com/edible-wild-plants/#tab-con-14)

[14. Wild Black Cherry](https://basisgear.com/edible-wild-plants/#tab-con-15)

[15. Harebell](https://basisgear.com/edible-wild-plants/#tab-con-16)

[16. Elderberry](https://basisgear.com/edible-wild-plants/#tab-con-17)

[17. Field Pennycress](https://basisgear.com/edible-wild-plants/#tab-con-18)

[18. Coneflower](https://basisgear.com/edible-wild-plants/#tab-con-19)

[19. Kudzu](https://basisgear.com/edible-wild-plants/#tab-con-20)

[20. Meadowsweet](https://basisgear.com/edible-wild-plants/#tab-con-21)

[21. Mallow](https://basisgear.com/edible-wild-plants/#tab-con-22)

[22. Peppergrass](https://basisgear.com/edible-wild-plants/#tab-con-23)

[23. Pineapple Weed](https://basisgear.com/edible-wild-plants/#tab-con-24)

[24. Pickerelweed](https://basisgear.com/edible-wild-plants/#tab-con-25)

[25. Mullein](https://basisgear.com/edible-wild-plants/#tab-con-26)

[26. Red Clover](https://basisgear.com/edible-wild-plants/#tab-con-27)

[27. Partridgeberry](https://basisgear.com/edible-wild-plants/#tab-con-28)

[28. Sheep Sorrel](https://basisgear.com/edible-wild-plants/#tab-con-29)

[29. Shepherd’s Purse](https://basisgear.com/edible-wild-plants/#tab-con-30)

[30. Sunflower](https://basisgear.com/edible-wild-plants/#tab-con-31)

[31. Spring Beauty](https://basisgear.com/edible-wild-plants/#tab-con-32)

[32. Tea Plant](https://basisgear.com/edible-wild-plants/#tab-con-33)

[33. Toothwort](https://basisgear.com/edible-wild-plants/#tab-con-34)

[34. Teasel](https://basisgear.com/edible-wild-plants/#tab-con-35)

[35. Wild Grape Vine](https://basisgear.com/edible-wild-plants/#tab-con-36)

[36. Wild Bee Balm](https://basisgear.com/edible-wild-plants/#tab-con-37)

[37. Vervain Mallow](https://basisgear.com/edible-wild-plants/#tab-con-38)

[38. Prickly Pear Cactus](https://basisgear.com/edible-wild-plants/#tab-con-39)

[39. Herb Robert](https://basisgear.com/edible-wild-plants/#tab-con-40)

[40. Mayapple](https://basisgear.com/edible-wild-plants/#tab-con-41)

[41. Joe Pye Weed](https://basisgear.com/edible-wild-plants/#tab-con-42)

[42. Knapweed](https://basisgear.com/edible-wild-plants/#tab-con-43)

[43. Wild Leek](https://basisgear.com/edible-wild-plants/#tab-con-44)

[44. Cleavers](https://basisgear.com/edible-wild-plants/#tab-con-45)

[45. Cattail](https://basisgear.com/edible-wild-plants/#tab-con-46)

[46. Blue Vervain](https://basisgear.com/edible-wild-plants/#tab-con-47)

[47. Common Yarrow](https://basisgear.com/edible-wild-plants/#tab-con-48)

[48. Common Sow Thistle](https://basisgear.com/edible-wild-plants/#tab-con-49)

[49. Coltsfoot](https://basisgear.com/edible-wild-plants/#tab-con-50)

[50. Fern Leaf Yarrow](https://basisgear.com/edible-wild-plants/#tab-con-51)

[51. Henbit](https://basisgear.com/edible-wild-plants/#tab-con-52)

[52. Crimson Clover](https://basisgear.com/edible-wild-plants/#tab-con-53)

[53. Evening Primrose](https://basisgear.com/edible-wild-plants/#tab-con-54)

[54. Downy Yellow Violet](https://basisgear.com/edible-wild-plants/#tab-con-55)

[55. Daisy Fleabane](https://basisgear.com/edible-wild-plants/#tab-con-56)

[56. Japanese Knotweed](https://basisgear.com/edible-wild-plants/#tab-con-57)

[57. Milk Thistle](https://basisgear.com/edible-wild-plants/#tab-con-58)

[58. Lambs Quarters](https://basisgear.com/edible-wild-plants/#tab-con-59)

[59. Queen Anne’s Lace](https://basisgear.com/edible-wild-plants/#tab-con-60)

[60. Purple Deadnettle](https://basisgear.com/edible-wild-plants/#tab-con-61)

[61. New England Aster](https://basisgear.com/edible-wild-plants/#tab-con-62)

[62. Supplejack Vine](https://basisgear.com/edible-wild-plants/#tab-con-63)