

75 GitHub Repositories For Machine Learning

Each with a sentence description, a sentence about why it is included, and a web link to its GitHub repo.

1. **Adversarial Robustness Toolbox** (<https://github.com/Trusted-AI/adversarial-robustness-toolbox>)
 - ♦ Description: Adversarial Robustness Toolbox (ART) is a Python library for adversarial machine learning that supports the development and evaluation of robust machine learning models.
 - ♦ Why it's included: It provides tools for defending against and evaluating adversarial attacks, promoting the development of secure AI systems.
2. **AI Fairness 360** (<https://github.com/IBM/AIF360>)
 - ♦ Description: AI Fairness 360 is an extensible open-source toolkit that helps users examine, report, and mitigate discrimination and bias in machine learning models throughout the AI application lifecycle.
 - ♦ Why it's included: It promotes responsible AI development by providing tools and resources for assessing and improving the fairness of machine learning models.
3. **Albumentations** (<https://github.com/albumentations-team/albumentations>)
 - ♦ Description: Albumentations is a fast and flexible image augmentation library that provides a wide range of augmentation techniques for computer vision tasks.
 - ♦ Why it's included: It improves the performance of computer vision models by providing an efficient way to generate diverse and high-quality training data.
4. **AllenNLP** (<https://github.com/allenai/allennlp>)
 - ♦ Description: AllenNLP is an open-source NLP research library, built on PyTorch, designed for developing state-of-the-art deep learning models on a wide range of NLP tasks.
 - ♦ Why it's included: It provides a modular and extensible architecture, making it an excellent tool for researchers and developers in the NLP domain.
5. **Annoy** (<https://github.com/spotify/annoy>)
 - ♦ Description: Annoy (Approximate Nearest Neighbors Oh Yeah) is a C++ library developed by Spotify for performing approximate nearest neighbor searches in high-dimensional spaces, with Python bindings for ease of use.
 - ♦ Why it's included: It provides a fast and efficient solution for approximate nearest neighbor search, enabling developers to build large-scale recommendation systems and other similarity-based applications.
6. **Apache MXNet** (<https://github.com/apache/incubator-mxnet>)

- ♦ Description: Apache MXNet is a flexible and efficient deep learning library for training and deploying large-scale neural networks.
- ♦ Why it's included: It supports multiple programming languages and has a dynamic computation graph, making it a popular choice for research and industry applications.

7. **AutoKeras** (<https://github.com/keras-team/autokeras>)

- ♦ Description: AutoKeras is an open-source AutoML library for deep learning, built on top of Keras, that aims to automate the process of model design and training.
- ♦ Why it's included: It simplifies the deep learning process by automatically searching for optimal model architectures, reducing the time and effort required to build effective models.

8. **Caffe** (<https://github.com/BVLC/caffe>)

- ♦ Description: Caffe is a deep learning framework developed by the Berkeley Vision and Learning Center, known for its speed, modularity, and expressiveness.
- ♦ Why it's included: It is a popular choice for computer vision applications, offering fast training times and a wide range of pre-trained models.

9. **CatBoost** (<https://github.com/catboost/catboost>)

- ♦ Description: CatBoost is a high-performance gradient boosting library developed by Yandex that focuses on categorical features and is designed for efficiency and scalability.
- ♦ Why it's included: It offers exceptional performance on a variety of machine learning tasks, especially those involving categorical data, making it a popular choice for many use cases.

10. **Chainer** (<https://github.com/chainer/chainer>)

- ♦ Description: Chainer is a flexible and intuitive deep learning framework for Python that supports dynamic computation graphs and provides a wide range of pre-built models and tools.
- ♦ Why it's included: It offers a user-friendly interface and powerful features, making it an attractive choice for deep learning research and development.

11. **CNTK** (<https://github.com/microsoft/CNTK>)

- ♦ Description: Microsoft Cognitive Toolkit (CNTK) is a high-performance, open-source deep learning library that provides a unified, easy-to-use API for deep learning across multiple devices and platforms.
- ♦ Why it's included: It offers exceptional performance and scalability, making it a popular choice for large-scale deep learning applications.

12. **DALI** (<https://github.com/NVIDIA/DALI>)

- ♦ Description: The NVIDIA Data Loading Library (DALI) is a library for accelerating input data pre-processing for deep learning applications, improving the efficiency of data loading and augmentation.
- ♦ Why it's included: It helps users optimize their deep learning pipelines, reducing bottlenecks and improving training performance.

13. **Dask** (<https://github.com/dask/dask>)

- ♦ Description: Dask is a flexible parallel computing library for analytics, enabling users to harness the power of parallel and distributed computing for their machine learning and data processing tasks.
- ♦ Why it's included: It provides a powerful and user-friendly solution for scaling up computation on large datasets, making it an invaluable tool for data scientists and machine learning practitioners.

14. **Dask-ML** (<https://github.com/dask/dask-ml>)

- ♦ Description: Dask-ML is a library for scalable machine learning in Python, providing parallel and distributed computing support for popular machine learning libraries like scikit-learn and XGBoost.
- ♦ Why it's included: It enables users to work with larger datasets and train models more quickly, making it a valuable tool for large-scale machine learning tasks.

15. **DeepGraph** (<https://github.com/deepgraph/deepgraph>)

- ♦ Description: DeepGraph is a Python library for creating and manipulating complex, structured data using a graph-based approach.
- ♦ Why it's included: It offers a powerful and flexible way to work with structured data, making it a valuable tool for machine learning and data analysis tasks.

16. **DeepSpeech** (<https://github.com/mozilla/DeepSpeech>)

- ♦ Description: DeepSpeech is an open-source speech-to-text engine, developed by Mozilla, that uses deep learning to convert spoken language into written text.
- ♦ Why it's included: It's an accessible tool for speech recognition tasks, offering pre-trained models and easy-to-use APIs.

17. **DeOldify** (<https://github.com/jantic/DeOldify>)

- ♦ Description: DeOldify is a deep learning model for colorizing and restoring old images and videos, utilizing a combination of techniques like self-attention and generative adversarial networks.
- ♦ Why it's included: It showcases the potential of deep learning for image and video restoration, inspiring new research and applications in the field.

18. **Detectron2** (<https://github.com/facebookresearch/detectron2>)

- ♦ Description: Detectron2 is Facebook AI Research's next-generation software system that implements state-of-the-art object detection algorithms.
- ♦ Why it's included: It provides high-performance, flexible, and extensible implementations of popular object detection models, making it a valuable resource for computer vision tasks.

19. **ELI5** (<https://github.com/TeamHG-Memex/eli5>)

- ♦ Description: ELI5 is a Python library that provides a simple and consistent interface for explaining and debugging machine learning models using techniques like feature importances and model debugging.
- ♦ Why it's included: It helps users better understand and interpret the decisions made by their machine learning models, improving transparency and fostering trust in AI systems.

20. **Fairlearn** (<https://github.com/fairlearn/fairlearn>)

- ♦ Description: Fairlearn is a Python library that helps data scientists and developers assess and improve the fairness of their machine learning models.
- ♦ Why it's included: It provides tools for understanding and mitigating unfairness in machine learning, promoting responsible AI development.

21. **Fairseq** (<https://github.com/pytorch/fairseq>)

- ♦ Description: Fairseq is a sequence-to-sequence framework for training and deploying neural network models on tasks like machine translation, summarization, and language modeling, developed by Facebook AI Research.
- ♦ Why it's included: It offers state-of-the-art performance on a variety of NLP tasks and provides a flexible, modular interface for building custom models.

22. **Fast.ai** (<https://github.com/fastai/fastai>)

- ♦ Description: Fast.ai is a deep learning library that simplifies training fast and accurate neural nets using modern best practices.
- ♦ Why it's included: It's designed to be approachable and easy to use, making it an excellent choice for beginners and experts alike.

23. **FastText** (<https://github.com/facebookresearch/fastText>)

- ♦ Description: FastText is a library for efficient learning of word representations and sentence classification tasks, developed by Facebook Research.
- ♦ Why it's included: It offers state-of-the-art performance on various NLP tasks while being computationally efficient, making it suitable for large-scale applications.

24. **Featuretools** (<https://github.com/alteryx/featuretools>)

- ♦ Description: Featuretools is an open-source Python library for automated feature engineering that simplifies the process of creating meaningful features from raw, structured data.
- ♦ Why it's included: It helps users save time and effort by automating the feature engineering process, enabling them to focus on building and optimizing models.

25. **Flair** (<https://github.com/flairNLP/flair>)

- ♦ Description: Flair is a natural language processing library built on top of PyTorch that provides state-of-the-art models for various NLP tasks, such as named entity recognition, part-of-speech tagging, and sentiment analysis.
- ♦ Why it's included: It offers a simple and efficient interface for using and training advanced NLP models, making it a valuable

26. **Gensim** (<https://github.com/RaRe-Technologies/gensim>)

- ◆ Description: Gensim is a Python library for topic modeling, document indexing, and similarity retrieval with large corpora.
- ◆ Why it's included: It's designed for scalability and efficiency, making it a popular choice for natural language processing tasks that involve large text datasets.

27. **GluonTS** (<https://github.com/awsmlabs/gluon-ts>)

- ◆ Description: GluonTS is a probabilistic time series modeling library built on top of Apache MXNet that provides tools for working with time series data and forecasting.
- ◆ Why it's included: It offers a flexible and extensible interface for time series modeling, enabling users to build custom models and leverage pre-built components.

28. **GPT-2** (<https://github.com/openai/gpt-2>)

- ◆ Description: GPT-2 is a large-scale unsupervised language model developed by OpenAI that can generate coherent paragraphs of text based on a given prompt.
- ◆ Why it's included: It showcases the potential of unsupervised learning and large-scale language models, inspiring new research and applications in natural language processing.

29. **Horovod** (<https://github.com/horovod/horovod>)

- ◆ Description: Horovod is a distributed deep learning framework that enables users to scale training across multiple GPUs and nodes with near-linear scaling efficiency.
- ◆ Why it's included: It simplifies the process of scaling deep learning training, making it easier to work with large datasets and complex models.

30. **Hugging Face Transformers** (<https://github.com/huggingface/transformers>)

- ◆ Description: Transformers is a state-of-the-art natural language processing library for training and deploying transformer models.
- ◆ Why it's included: It offers pre-trained models and tools for fine-tuning, making it a go-to library for tasks such as text classification, translation, and summarization.

31. **Imbalanced-learn** (<https://github.com/scikit-learn-contrib/imbalanced-learn>)

- ◆ Description: Imbalanced-learn is a Python library that provides tools for handling imbalanced datasets in machine learning.

- ♦ Why it's included: It offers a variety of resampling techniques and algorithms tailored for imbalanced data, improving the performance of models trained on such datasets.

32. **JAX** (<https://github.com/google/jax>)

- ♦ Description: JAX is a numerical computing library that combines NumPy, automatic differentiation, and GPU/TPU acceleration for high-performance machine learning research.
- ♦ Why it's included: It provides a flexible and efficient platform for research, enabling users to explore new ideas quickly and effectively.

33. **Keras** (<https://github.com/keras-team/keras>)

- ♦ Description: Keras is a high-level neural networks API, written in Python and capable of running on top of TensorFlow, Microsoft Cognitive Toolkit, or Theano.
- ♦ Why it's included: It offers a user-friendly interface and is popular among researchers and developers for its simplicity and ease of use.

34. **Keras-RL** (<https://github.com/keras-rl/keras-rl>)

- ♦ Description: Keras-RL is a high-level library for reinforcement learning in Python that integrates seamlessly with the Keras deep learning library.
- ♦ Why it's included: It provides an easy-to-use interface for developing and testing reinforcement learning algorithms, making it more accessible to a wider audience.

35. **LightGBM** (<https://github.com/microsoft/LightGBM>)

- ♦ Description: LightGBM is a gradient boosting framework developed by Microsoft that uses tree-based learning algorithms and is designed for efficiency and scalability.
- ♦ Why it's included: It offers exceptional performance and speed, making it an attractive choice for a variety of machine learning tasks.

36. **LIME** (<https://github.com/marcotcr/lime>)

- ♦ Description: LIME (Local Interpretable Model-Agnostic Explanations) is a Python library that helps users understand and interpret machine learning models by providing local explanations for individual predictions.

- ♦ Why it's included: It promotes transparency and trust in machine learning models by offering interpretable explanations of their predictions.

37. **Ludwig** (<https://github.com/ludwig-ai/ludwig>)

- ♦ Description: Ludwig is a code-free deep learning toolbox that allows users to train and test deep learning models without writing code, using a simple declarative language.
- ♦ Why it's included: It democratizes access to deep learning by providing an easy-to-use interface for building and deploying models without requiring extensive programming knowledge.

38. **MindsDB** (<https://github.com/mindsdb/mindsdb>)

- ♦ Description: MindsDB is an open-source AI layer for existing databases that enables users to perform machine learning tasks like forecasting and classification directly within their databases.
- ♦ Why it's included: It simplifies the process of integrating machine learning into existing data infrastructure, making it more accessible and efficient for developers.

39. **MLflow** (<https://github.com/mlflow/mlflow>)

- ♦ Description: MLflow is an open-source platform for managing the end-to-end machine learning lifecycle, including experimentation, reproducibility, deployment, and a central model registry.
- ♦ Why it's included: It provides a comprehensive solution for managing machine learning workflows, making it easier for teams to collaborate and track their projects throughout the entire lifecycle.

40. **MLxtend** (<https://github.com/rasbt/mlxtend>)

- ♦ Description: MLxtend is a library of useful tools and extensions for machine learning and data science tasks in Python, complementing existing libraries like scikit-learn, pandas, and matplotlib.
- ♦ Why it's included: It provides a collection of useful tools and utilities, making it a valuable resource for machine learning practitioners and data scientists.

41. **Neuraxle** (<https://github.com/Neuraxio/Neuraxle>)

- ♦ Description: Neuraxle is a machine learning framework for Python that aims to provide a clean and flexible way to build, train, and deploy end-to-end machine learning pipelines.

- ♦ Why it's included: It promotes best practices in machine learning, making it easier for developers to create maintainable and reusable pipelines.

42. **NLP Architect** (<https://github.com/NervanaSystems/nlp-architect>)

- ♦ Description: NLP Architect is an open-source Python library for exploring state-of-the-art deep learning topologies and techniques for natural language processing and natural language understanding.
- ♦ Why it's included: It offers a wide range of pre-built models and tools for NLP tasks, making it a valuable resource for researchers and developers in the field.

43. **NNI** (<https://github.com/microsoft/nni>)

- ♦ Description: Neural Network Intelligence (NNI) is an open-source AutoML toolkit that supports hyperparameter tuning, neural architecture search, model compression, and more for various machine learning frameworks.
- ♦ Why it's included: It offers a comprehensive set of tools for automating and optimizing machine learning processes, making it easier to develop high-performance models.

44. **ONNX** (<https://github.com/onnx/onnx>)

- ♦ Description: Open Neural Network Exchange (ONNX) is an open ecosystem that empowers AI developers to choose the right tools as their projects evolve, enabling interoperability between different frameworks.
- ♦ Why it's included: It promotes a more collaborative AI ecosystem by providing a standardized format for sharing and converting models between frameworks.

45. **OpenAI Gym** (<https://github.com/openai/gym>)

- ♦ Description: OpenAI Gym is a toolkit for developing and comparing reinforcement learning algorithms, providing a diverse range of environments for training and benchmarking agents.
- ♦ Why it's included: It provides a standardized platform for reinforcement learning research, helping researchers develop and evaluate new algorithms.

46. **OpenCV** (<https://github.com/opencv/opencv>)

- ♦ Description: OpenCV is an open-source computer vision and machine learning software library with a focus on real-time applications.

- ♦ Why it's included: It provides extensive tools and resources for image and video processing, making it a popular choice for computer vision tasks.

47. **Optuna** (<https://github.com/optuna/optuna>)

- ♦ Description: Optuna is an automatic hyperparameter optimization software framework for machine learning, designed to be efficient and easy to use.
- ♦ Why it's included: It simplifies the process of finding the best hyperparameters for machine learning models, helping users improve model performance with minimal effort.

48. **PaddlePaddle** (<https://github.com/PaddlePaddle/Paddle>)

- ♦ Description: PaddlePaddle is an easy-to-use, efficient, flexible, and scalable deep learning platform developed by Baidu that supports various neural network architectures and optimization algorithms.
- ♦ Why it's included: It provides a comprehensive platform for deep learning, making it a popular choice for researchers and developers in the field.

49. **Pattern** (<https://github.com/clips/pattern>)

- ♦ Description: Pattern is a web mining module for Python that provides tools for data mining, natural language processing, machine learning, and network analysis.
- ♦ Why it's included: It offers a diverse set of tools and features, making it a versatile resource for a variety of machine learning and data analysis tasks.

50. **Prophet** (<https://github.com/facebook/prophet>)

- ♦ Description: Prophet is a procedure for forecasting time series data based on an additive model, developed by Facebook's Core Data Science team, that can handle seasonality, holidays, and other time-based dependencies.
- ♦ Why it's included: It provides a robust and easy-to-use solution for time series forecasting, making it a popular choice for a variety of applications.

51. **Pycaret** (<https://github.com/pycaret/pycaret>)

- ♦ Description: PyCaret is a low-code machine learning library in Python that automates the end-to-end machine learning pipeline.

- ♦ Why it's included: It simplifies the process of developing, comparing, and deploying machine learning models, making it accessible to a wider audience.

52. **Pyro** (<https://github.com/pyro-ppl/pyro>)

- ♦ Description: Pyro is a universal probabilistic programming language (PPL) built on top of PyTorch, designed for deep probabilistic modeling, unifying the best of modern deep learning and Bayesian modeling.
- ♦ Why it's included: It offers a powerful and flexible framework for building complex probabilistic models, making it a valuable resource for researchers and developers.

53. **PyTorch** (<https://github.com/pytorch/pytorch>)

- ♦ Description: PyTorch is an open-source machine learning library for Python, based on Torch, that provides tensor computations and deep neural networks.
- ♦ Why it's included: It has a dynamic computation graph and is a popular choice for research, offering flexibility and speed.

54. **Rasa** (<https://github.com/RasaHQ/rasa>)

- ♦ Description: Rasa is an open-source conversational AI framework that enables developers to build, improve, and deploy context-aware chatbots and virtual assistants.
- ♦ Why it's included: It provides a comprehensive toolkit for creating conversational agents, making it an essential resource for developers working on chatbot projects.

55. **Ray** (<https://github.com/ray-project/ray>)

- ♦ Description: Ray is a fast and simple framework for building and running distributed applications, providing support for parallel and distributed computing in Python.
- ♦ Why it's included: It enables users to scale their machine learning applications across clusters and cloud environments, improving performance and efficiency.

56. **Scikit-learn** (<https://github.com/scikit-learn/scikit-learn>)

- ♦ Description: Scikit-learn is a Python library for machine learning that provides simple and efficient tools for data mining and data analysis.
- ♦ Why it's included: It's an essential library for beginners and experts alike, offering a wide range of algorithms and utilities for machine learning.

57. **Seldon Core** (<https://github.com/SeldonIO/seldon-core>)
- ◆ Description: Seldon Core is an open-source platform for deploying, scaling, and monitoring machine learning models in Kubernetes.
 - ◆ Why it's included: It simplifies the process of deploying and managing machine learning models at scale, making it easier to integrate AI into production systems.
58. **Sentence Transformers** (<https://github.com/UKPLab/sentence-transformers>)
- ◆ Description: Sentence Transformers is a Python library for computing dense vector representations of sentences and paragraphs using transformer models.
 - ◆ Why it's included: It provides an efficient way to compute semantic similarity between texts, making it a valuable tool for various NLP tasks.
59. **SHAP** (<https://github.com/slundberg/shap>)
- ◆ Description: SHAP (SHapley Additive exPlanations) is a unified measure of feature importance for machine learning models that provides consistent and locally accurate explanations of model predictions.
 - ◆ Why it's included: It helps users understand and interpret complex machine learning models, promoting transparency and trust in AI systems.
60. **Simple Transformers** (<https://github.com/ThilinaRajapakse/simpletransformers>)
- ◆ Description: Simple Transformers is a library built on top of Hugging Face's Transformers that simplifies the process of training and using transformer models.
 - ◆ Why it's included: It provides an easy-to-use interface for training and deploying transformer models, making it more accessible for users with varying levels of expertise.
61. **Snorkel** (<https://github.com/snorkel-team/snorkel>)
- ◆ Description: Snorkel is a system for programmatically building and managing training datasets without manual labeling, using techniques such as data programming and weak supervision.
 - ◆ Why it's included: It offers a novel approach to creating labeled datasets, reducing the time and effort required to build machine learning models.
62. **SpaCy** (<https://github.com/explosion/spaCy>)

- ♦ Description: SpaCy is an industrial-strength natural language processing library for Python that offers high-performance tools for text processing, tokenization, and named entity recognition.
- ♦ Why it's included: It provides a robust and efficient solution for many common NLP tasks, making it a popular choice for developers and researchers.

63. **Talos** (<https://github.com/autonomio/talos>)

- ♦ Description: Talos is a hyperparameter optimization library for Keras that provides a simple interface for model optimization, enabling users to perform complex experiments with minimal code.
- ♦ Why it's included: It offers an intuitive and efficient way to optimize Keras models, making it a valuable tool for improving model performance.

64. **Tensor2Tensor** (<https://github.com/tensorflow/tensor2tensor>)

- ♦ Description: Tensor2Tensor is a library of deep learning models and datasets designed to simplify the process of training and deploying state-of-the-art models in TensorFlow.
- ♦ Why it's included: It provides a wide range of pre-built models and datasets, making it a valuable resource for researchers and developers working with TensorFlow.

65. **TensorFlow** (<https://github.com/tensorflow/tensorflow>)

- ♦ Description: TensorFlow is an end-to-end open source platform for machine learning developed by Google.
- ♦ Why it's included: It's a widely-used, flexible, and efficient library that supports numerous machine learning and deep learning applications.

66. **TensorFlow Extended (TFX)** (<https://github.com/tensorflow/tfx>)

- ♦ Description: TensorFlow Extended (TFX) is an end-to-end platform for deploying production-ready machine learning pipelines using TensorFlow.
- ♦ Why it's included: It offers a comprehensive solution for managing machine learning workflows, from data ingestion and preprocessing to model training and deployment.

67. **TensorWatch** (<https://github.com/microsoft/tensorwatch>)

- ♦ Description: TensorWatch is a debugging and visualization tool for machine learning, designed to work seamlessly with TensorFlow, PyTorch, and other frameworks.

- ♦ Why it's included: It offers real-time, interactive visualizations for model debugging and training, helping users better understand and optimize their models.

68. **Tesseract OCR** (<https://github.com/tesseract-ocr/tesseract>)

- ♦ Description: Tesseract OCR is an optical character recognition engine for various operating systems, developed by Google.
- ♦ Why it's included: It's one of the most accurate open-source OCR engines available and supports over 100 languages.

69. **Theano** (<https://github.com/Theano/Theano>)

- ♦ Description: Theano is a Python library that allows users to define, optimize, and evaluate mathematical expressions involving multi-dimensional arrays efficiently.
- ♦ Why it's included: It has been a fundamental library for deep learning research and development, providing a flexible and efficient platform for numerical computation.

70. **TPOT** (<https://github.com/EpistasisLab/tpot>)

- ♦ Description: TPOT is an automated machine learning library that uses genetic programming to optimize machine learning pipelines, simplifying the process of selecting the best model, pre-processing, and hyperparameters.
- ♦ Why it's included: It streamlines the machine learning process by automating the optimization of model pipelines, saving users time and effort.

71. **Transformers** (<https://github.com/huggingface/transformers>)

- ♦ Description: Transformers is a state-of-the-art natural language processing library that provides pre-trained models and tools for training and using transformer-based models.
- ♦ Why it's included: It offers an extensive collection of pre-trained models and tools, making it a valuable resource for NLP researchers and developers.

72. **TVM** (<https://github.com/apache/tvm>)

- ♦ Description: TVM is an open-source deep learning compiler stack that enables users to optimize and deploy deep learning models on a wide range of hardware platforms, from CPUs and GPUs to specialized accelerators.

- ♦ Why it's included: It offers a flexible and efficient solution for optimizing and deploying machine learning models across various hardware, helping developers create high-performance AI applications.

73. **Weights & Biases** (<https://github.com/wandb/client>)

- ♦ Description: Weights & Biases is a machine learning experiment tracking and collaboration platform that helps teams manage their machine learning workflows.
- ♦ Why it's included: It offers an intuitive interface for tracking experiments, collaborating on projects, and visualizing results, simplifying the machine learning process.

74. **XGBoost** (<https://github.com/dmlc/xgboost>)

- ♦ Description: XGBoost is an optimized distributed gradient boosting library designed for high efficiency, flexibility, and portability, providing parallel tree boosting for better performance and scalability.
- ♦ Why it's included: It is a widely used and well-regarded machine learning library, known for its speed, accuracy, and ease of use.

75. **Yellowbrick** (<https://github.com/DistrictDataLabs/yellowbrick>)

- ♦ Description: Yellowbrick is a suite of visual diagnostic tools that extend the scikit-learn API, enabling users to better understand and visualize their machine learning models.
- ♦ Why it's included: It provides a valuable set of visualization tools that help users gain insights into their models, promoting better understanding and decision-making.