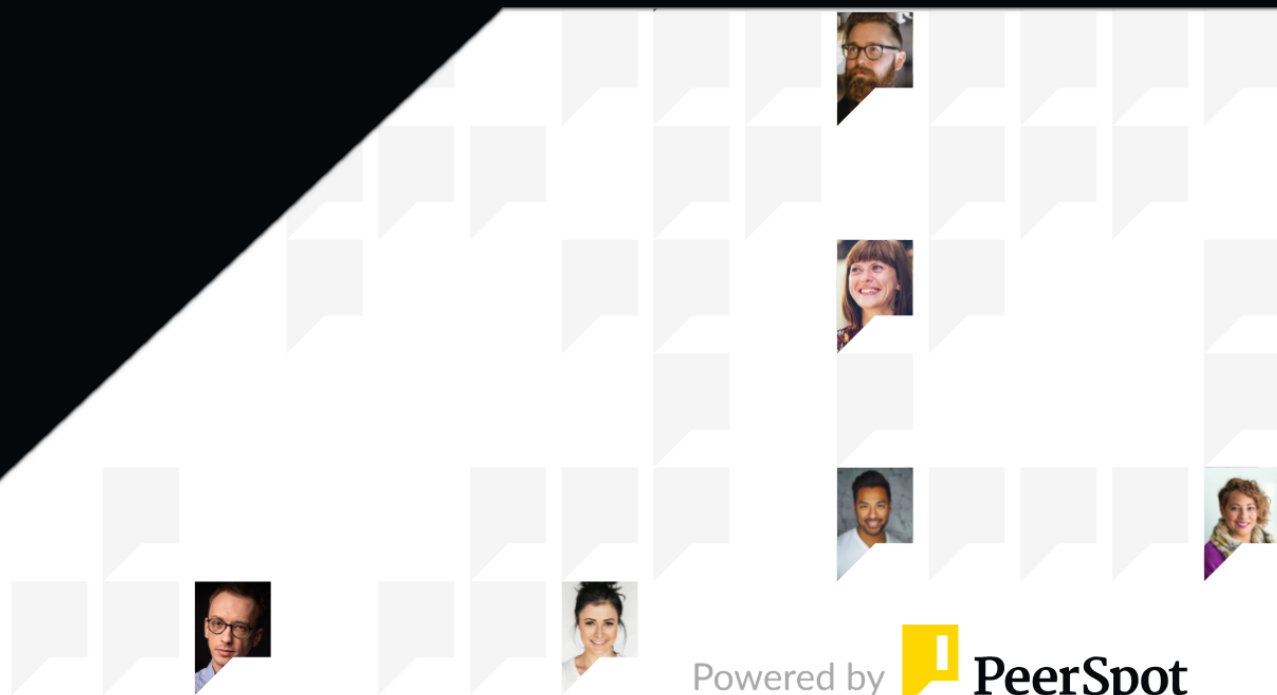




Weights & Biases

Reviews, tips, and advice from real users



Powered by  **PeerSpot**

Contents

Product Recap..... 3 - 4

Valuable Features..... 5 - 9

Other Solutions Considered..... 10 - 11

ROI..... 12

Use Case..... 13 - 16

Other Advice..... 17 - 19

Trends..... 20 - 21

About PeerSpot..... 22 - 23

Product Recap



Weights & Biases

Weights & Biases Recap

Weights & Biases enables efficient and transparent machine learning operations, focusing on collaboration and model performance tracking.

Known for its user-friendly interface, Weights & Biases facilitates machine learning model development by offering tools for experiment tracking, dataset versioning, and model visualization. It supports seamless integration with other ML tools, enhancing productivity and streamlining workflows.

What are the key features of Weights & Biases?

- **Experiment Tracking:** Provides detailed logs to track the performance of machine learning experiments.
- **Dataset Versioning:** Allows version control for datasets to maintain accurate and consistent records.
- **Model Visualization:** Offers comprehensive tools to visualize model training and evaluation metrics.
- **Collaboration Tools:** Enables sharing of projects and findings for enhanced team collaboration.
- **Seamless Integration:** Easily integrates with popular machine learning frameworks and tools.

What benefits should be expected from Weights & Biases?

- **Efficiency Boost:** Streamlines workflows for faster model development and deployment.
- **Improved Collaboration:** Facilitates team interaction and sharing of machine learning insights.
- **Informed Decision Making:** Provides detailed analytics to aid in better strategic decisions.
- **Increased Project Transparency:** Enhances visibility into model performance and data handling.

In industries such as finance and healthcare, Weights & Biases supports compliance and accuracy through rigorous model monitoring and dataset tracking. In manufacturing, it aids in predictive maintenance by enabling continuous improvement of algorithms and processes.

Valuable Features

What users had to say about valuable features:

“One of the best features Weights & Biases offers is hyperparameter optimization because it lets us run large-scale hyperparameter searches using random or grid search.

Hyperparameter optimization from Weights & Biases helped my team significantly by reducing the manual trial and error and improving model performance much faster..”

Verified user

T PM at a consultancy with 51-200 employees

[Read full review](#) 

“The best features that Weights & Biases offers include experiment tracking to monitor accuracy, loss, and learning rate in real time, visualizing the training process with dashboards. Additionally, it automates testing of hyperparameter configurations for different models through the hyperparameter feature. Weights & Biases has a model registry to version data, models, prompts, and code, ensuring reproducibility by linking experiments. Weights & Biases also has an integration ecosystem that works seamlessly with frameworks like PyTorch and TensorFlow..”

Punit Jain

Final Year B. Tech Student at a computer software company with 1-10 employees

[Read full review](#) 

“In my opinion, the best features that Weights & Biases offers are the most useful ones, such as experiment tracking, metric visualization via dashboards, and quick comparison between multiple runs.

“Weights & Biases had a positive impact on my organization in that it allowed us to centralize our research, specifically centralizing our results, metric tracking, and visualization.

“Weights & Biases allowed each person to run their tests and then we could decide directly what decision to make next..”

Verified user

[Read full review](#) 

Étudiant at a educational organization with 201-500 employees

“Weights & Biases offers several best features including tracking, visualization, the registry part, datasets, dataset versioning, and monitoring framework integrations.

Out of tracking, visualization, registry, dataset versioning, and monitoring, I find myself relying on data versioning the most because it stores changes in datasets for reproducibility, and the model registry keeps track of which prediction model is currently deployed, along with real-time monitoring during training. It also provides accuracy scores, functioning as an experimental tracking tool.

These features help in ML engineering, comparing models, and collaborating with the team while maintaining reproducibility throughout the ML lifecycle.

Weights & Biases has positively impacted my organization by improving the processes we build for the client, particularly in prediction projects. It has improved our datasets and metrics, resulting in faster model comparisons. It provides tracking and model management that helps maintain reproducibility throughout the ML lifecycle..”

Gouthami

Senior Software Engineer at a tech vendor with 10,001+ employees

[Read full review](#) 

“Weights & Biases is a very handy library when I want to track experiments and find the optimal parameters for training models or determine which model is the best when experimenting with multiple models. This library is very useful.

When I need to find the optimal hyperparameter, I can use Weights & Biases to track different hyperparameters for training a model. Weights & Biases offers experiment tracking, hyperparameter optimization, and model artifact versioning.

I rely the most on hyperparameter optimization in my daily work because it is very useful for training models.

Weights & Biases is very useful when I need to review the past and see which model performed better or which parameters were the best. It provides good versioning and history, which is a feature I use frequently.

I think it provides easier collaboration. Even if I want to share my model with someone, they can see the metrics that I am getting in that model..”

Verified user

[Read full review](#) 

Machine Learning Engineer at a tech vendor with 10,001+ employees

“In my opinion, the best features Weights & Biases offers are that they are easy to adapt and navigate through inside their UI, and I can check the model artifacts by versions. Sometimes when it throws errors, I can check them easily, and it has access control that's a good fit for corporate usage.

“What I like about the UI and the access control features is that they are just easy to navigate, easy to understand, and finding is also easy.

“Weights & Biases has positively impacted my organization a lot because many users are using Weights & Biases for tracking models and seeing metrics. I believe it places a lot less weight on setting up this tracking method.

“I can share specific outcomes or metrics since using Weights & Biases. For example, I can check each epoch's model artifacts and see how effectively it worked on my evaluation set, and it can be fetched by the unique ID..”

Verified user

[Read full review](#) 

software Engineer at a financial services firm with 10,001+ employees

Other Solutions Considered

“Before using Weights & Biases, I had only developed in personal projects involving self-generating adversarial networks, where I analyzed the performance of generator and discriminator models along with their gains and losses..”

Punit Jain

Final Year B. Tech Student at a computer software company with 1-10 employees

[Read full review](#) 

“Previously, we used MLflow, ClearML, and TensorBoard, but they lacked the experimental tracking and model management features that Weights & Biases offers, so we switched to it for its end-to-end ML platforms and storage capacity. It stands out from others due to its open-source nature and stronger model registry with good deployment support..”

Gouthami

Senior Software Engineer at a tech vendor with 10,001+ employees

[Read full review](#) 

“Weights & Biases was the first solution I used for experiment tracking and model management, although we were considering Arise AI or BrainTrust at some point.

Before choosing Weights & Biases, I did evaluate other options, including Arise AI and BrainTrust..”

Verified user

T PM at a consultancy with 51-200 employees

[Read full review](#) 

ROI

Real user quotes about their ROI:

“In terms of return on investment, it has helped reduce manual efforts, especially in areas such as fraud detection. It provides accuracy and validation by giving us precision metrics, regression models, and more..”

Gouthami

Senior Software Engineer at a tech vendor with 10,001+ employees

[Read full review](#) 

Use Case

“My main use case for Weights & Biases revolves around experiment tracking and model evaluation.

In my previous job, I used Weights & Biases for experiment tracking, model evaluation, visibility, and collaboration between the different teams that we had at the company, mostly in product and engineering, while we were working on AI-driven workflows and AI features..”

Verified user

T PM at a consultancy with 51-200 employees

[Read full review](#) 

“My main use case for Weights & Biases is tracking metrics for my models when I'm training or testing new models.

“I can give a quick specific example of how I use Weights & Biases to track metrics during my model training or testing by setting up the script to send my metrics when I'm training models in my Jupyter Notebook.

“In addition to tracking metrics, I also track down errors, precisions, and recalls..”

Verified user

software Engineer at a financial services firm with 10,001+ employees

[Read full review](#) 

“My main use case for Weights & Biases was for my end-of-studies project with the Ministry of the Economy and Finance.

“As part of my end-of-studies project with the Ministry of the Economy and Finance, we used Weights & Biases mainly to track and compare our machine learning experiments in a structured way.

“The main goal of our project was to choose the best possible embedding model for the Ministry of the Economy and Finance, and through metric visualization and quick comparison, we were able to decide in a smooth and helpful way which was the best model..”

Verified user

[Read full review](#) 

Étudiant at a educational organization with 201-500 employees

“I use Weights & Biases primarily for experiment tracking, logging metrics such as loss and accuracy, learning rate, and other parameters. It helps in visualizing training progress in real time, particularly for deeper projects involving dataset modeling, CI/CD pipelines, and similar tasks.

I used Weights & Biases in my personal project involving self-generating adversarial networks, where I tracked generator and discriminator losses over time, logged sample outputs, and compared architectures and hyperparameters. Those losses helped me analyze my model to optimize it so that they became negligible or minimal. Weights & Biases provides real-time dashboards, image logging, experiment comparison, and other useful features.

One thing I appreciate about using Weights & Biases is how it fits into the bigger picture of ML workflows. As a developer, I can integrate end-to-end workflow integrations, which include data pipelines to track, model registry to store and manage, and deployment monitoring, so that I can analyze how models are performing, the losses, and the gains. It also supports hyperparameter tuning and model comparisons, including the comparison of losses and gains. In my opinion, it is a research notebook experiment collaboration tool.

Using Weights & Biases gave me the ability for faster development and also saved my time since analyzing the discriminator and generator losses, which would have taken a lot of time if I did it manually, was done very easily with Weights & Biases. The graphs it provided were also very helpful in analyzing the gains and losses and the accuracy of the generator and discriminator model..”

Punit Jain

[Read full review](#) 

Final Year B. Tech Student at a computer software company with 1-10 employees

“My main use case for Weights & Biases is as a platform to understand machine learning experiments, including tuning model evolutions and managing data. I use it heavily when I need to write ML scripts for my data processing and data analyst responsibilities. It primarily functions as a research tool for tracking and visualizing, serving as a framework to support my data work.

To provide a specific example of how I have used Weights & Biases in my work, I have a script in my current process that involves code I want to write in Python and PyTorch. I install Weights & Biases, log in to the website, and run queries by configuring it. I have used it to create graphs of the accuracy for the process I'm working on, specifically for a customer prediction model that uses Python scripting.

When I used Weights & Biases for my customer prediction model in Python, it helped me not only with the visualization aspect but also in managing datasets and collaborating with my team members during model development and deployment. It compares the model and visualizes the metrics we want to derive from it by running ML scripts, helping us understand the project in a deeper way through image classifications and NLP models, monitoring accuracy and utilization, and managing hyperparameters while sharing experiments and comparing results.

I have used Weights & Biases mainly for predictions, as it generates automated predictions based on the LLMs we create and stores those predictions, providing data with accuracy and creating charts to help us compare the data and run against future experiments..”

Gouthami

Senior Software Engineer at a tech vendor with 10,001+ employees

[Read full review](#) 

Other Advice

“My advice for others looking into using Weights & Biases is that they should use it and experience the benefits of this product. I would rate this review as a 9 out of 10..”

Verified user

T PM at a consultancy with 51-200 employees

[Read full review](#) 

“I suggest avoiding making the interview too lengthy, as it is meant for review purposes and should not take up thirty minutes to one hour. My overall review rating for Weights & Biases is eight out of ten..”

Punit Jain

Final Year B. Tech Student at a computer software company with 1-10 employees

[Read full review](#) 

“I chose a rating of 8 out of 10 for Weights & Biases because it is easy to use and a very good library for machine learning engineers. Weights & Biases is a very useful library if you want to track training experiments..”

Verified user

Machine Learning Engineer at a tech vendor with 10,001+ employees

[Read full review](#) 

“My experience with Weights & Biases was very interesting and very intuitive. I do not have anything else to add about the features I appreciated in Weights & Biases. I do not have any other ideas or details about improvements that could be made to Weights & Biases. I have been able to cover everything, and I do not see any other areas for improvement for Weights & Biases. I would rate this product a 9 overall..”

Verified user

Étudiant at a educational organization with 201-500 employees

[Read full review](#) 

“My advice to others looking into using Weights & Biases is to try it out first and also look at the other options, as it's hard to switch when you are used to Weights & Biases's UI. Other than that, I think it's just about trying to understand the real metrics and concept.

“I would rate this product a 7 out of 10..”

Verified user

software Engineer at a financial services firm with 10,001+ employees

[Read full review](#) 

“My advice to others considering Weights & Biases is to leverage its storage registry and track all important metrics while using the model registry and production monitoring accurately. It maintains proper experiment tracking and is very useful for versioning and comparing features to make data-driven model decisions.

Regarding Weights & Biases' AI capabilities, I believe it has solid governance and security measures.

I find that audit logging is stronger than in other tools, but we still need to examine perspectives regarding unauthorized access and similar concerns.

As for accuracy and reliability of outputs from Weights & Biases, it does not directly help with model accuracy but improves model development through experiments and comparisons, making it easier to identify which models deliver the highest accuracy indirectly, as it optimizes the data in a better way.

I have given Weights & Biases an overall rating of 7 out of 10..”

Gouthami

Senior Software Engineer at a tech vendor with 10,001+ employees

[Read full review](#) 

Top Industries

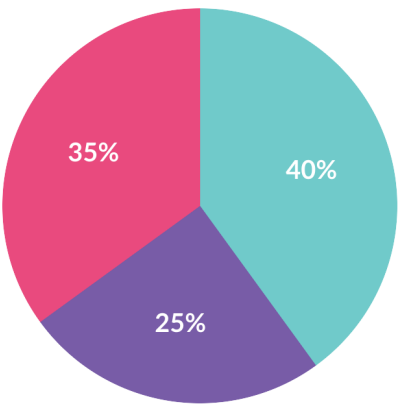
by visitors reading reviews



Company Size

by reviewers

by visitors reading reviews



Large Enterprise Midsize Enterprise Small Business

About this buyer's guide

Thanks for downloading this PeerSpot report.

The summaries, overviews and recaps in this report are all based on real user feedback and reviews collected by PeerSpot's team. Every reviewer on PeerSpot has been authenticated with our triple authentication process. This is done to ensure that every review provided is an unbiased review from a real user.

Get a custom version of this report... Personalized for you!

Please note that this is a generic report based on reviews and opinions from the collective PeerSpot community. We offer a [customized report](#) of solutions recommended for you based on:

- Your industry
- Company size
- Which solutions you're already considering

The customized report will include recommendations for you based on what other people like you are using and researching.

Answer a few questions in our short wizard to get your customized report.

[Get your personalized report here](#)

About PeerSpot

PeerSpot is the leading review site for cloud, AI, and business software. We created PeerSpot to provide a trusted platform to share information about software, applications, and services. Since 2012, over 22 million people have used PeerSpot to choose the right software for their business.

PeerSpot helps tech professionals by providing:

- A list of products recommended by real users
- In-depth reviews, including pros and cons
- Specific information to help you choose the best vendor for your needs

Use PeerSpot to:

- Read and post reviews of products
- Access over 30,000 buyer's guides and comparison reports
- Request or share information about functionality, quality, and pricing

Join PeerSpot to connect with peers to help you:

- Get immediate answers to questions
- Validate vendor claims
- Exchange tips for getting the best deals with vendor

Visit PeerSpot: www.peerspot.com

PeerSpot

244 5th Avenue, Suite R-230 • New York, NY 10001

reports@peerspot.com

+1 646.328.1944