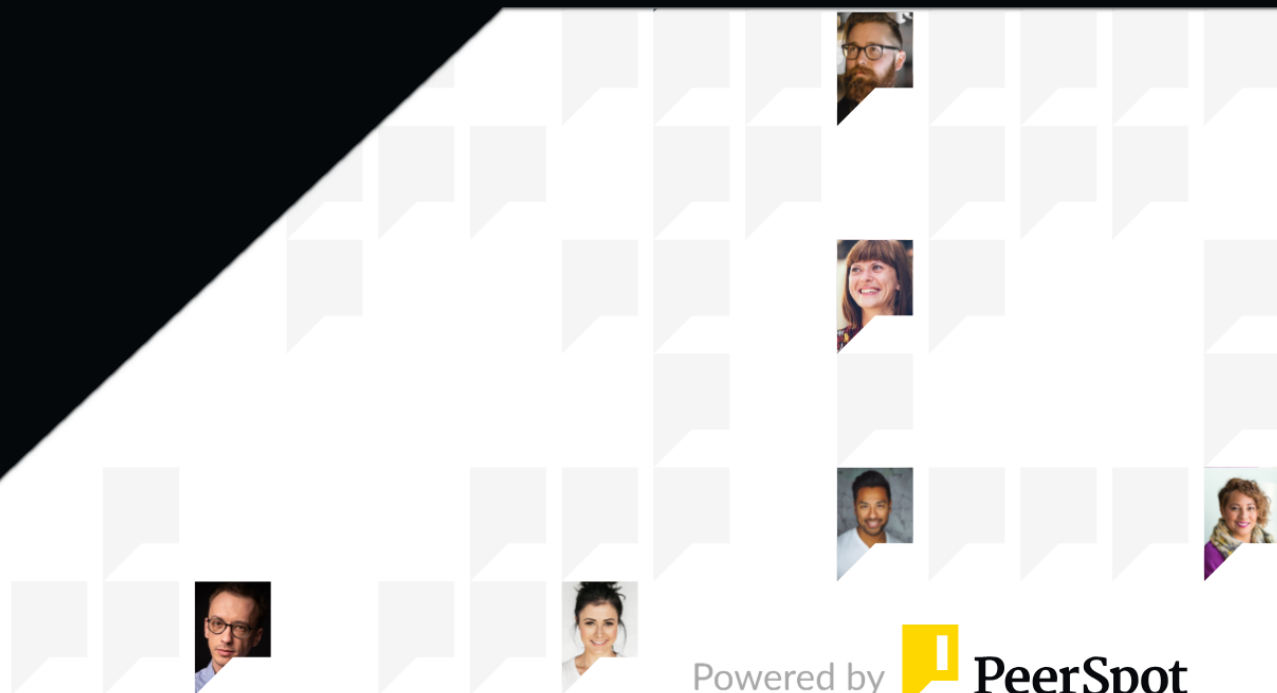


aws marketplace

Lightning AI

Reviews, tips, and advice from real users



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Product Recap



Lightning AI

Lightning AI Recap

Lightning AI is an advanced platform that supports AI development through flexible solutions catering to diverse industry demands. It streamlines complex processes to enhance machine learning capabilities for businesses.

Offering versatile functionality, Lightning AI integrates sophisticated AI architecture designed for efficiency and speed. It is crafted to accelerate AI workflows and is particularly advantageous for enterprises adopting data-driven strategies. The platform supports various stages of AI deployment, including prototyping, testing, and scaling, ensuring that businesses can harness the full potential of AI technologies effectively. Its robust infrastructure facilitates seamless integration and deployment, making it an integral tool for modern AI projects.

What are the most important features of Lightning AI?

- **Scalable Deployment:** Facilitates the easy scaling of AI models as business needs grow, ensuring consistent performance.
- **Real-time Data Processing:** Enables quick analysis and processing of data, allowing for timely insights and actions.
- **Intuitive API Integration:** Offers simple integration with existing systems to enhance functionality without disruption.

What benefits and ROI should users look for in reviews when evaluating Lightning AI?

- **Increased Efficiency:** Users often note significant improvements in workflow speed and productivity.
- **Cost-effectiveness:** The platform is recognized for reducing expenditure by optimizing resource utilization.
- **Improved Decision-making:** Enhanced data analytics capabilities provide deeper insights leading to better business decisions.

In finance, Lightning AI is used for predictive analytics, helping institutions manage risks and optimize investment strategies. In healthcare, it improves patient care through data-driven diagnostics and personalized treatment plans. Retail companies benefit by utilizing AI for inventory management and customer behavior analysis, enhancing operational workflows and customer satisfaction.

Valuable Features

Excerpts from real customer reviews on PeerSpot:



“Lightning AI is excellent for setting up GPU servers, Docker, Kubernetes, and ML infrastructure, providing everything in one platform, which is the unique aspect I have noticed.”



Pentala Shashank

Engineer at a manufacturing company with 10,001+ employees



“Overall, it has helped us spend less time on infrastructure and operational setup and more time building constantly and evaluating AI solutions that can create value for businesses.”



Shravan Revanna

Product Engineer at a non-profit with 51-200 employees



“Lightning AI changed my workflow compared to what I was doing before by not only saving my time, but also making my training and validations more standardized to try different hyperparameters and logging metrics and tracking points.”



Verified user

Data Engineer at a university with 10,001+ employees

What users had to say about valuable features:

“The best features are AI Studio, GPU Cloud, persisting AI notebooks, one-click deployment, PyTorch Lightning, and collaboration.

“AI Studio is the best feature overall. It is a cloud workspace where developers can code, debug, train models, and deploy applications without requiring local setup. GPU Cloud is used for LLM training and fine-tuning, deep learning, and computer vision, and it has performed well for all of these use cases. Persistent AI notebooks ensure that your environment and files persist between sessions, unlike temporary notebooks. One-click deployment enables deploying chatbots, AI APIs, AI applications, and LLM inference. PyTorch Lightning was created by the same team and offers cleaner code, less boilerplate, easier distributed training, and better reproducibility.

“With collaboration, teams can collaborate, share workspaces, share GPUs, and share notebooks to build together. When it comes to PyTorch Lightning, clean code is the main benefit. One-click deployment attracted me most for deploying chatbots, APIs, and AI applications. GPU Cloud is valuable for LLM training and fine-tuning..”

Pentala Shashank

Engineer at a manufacturing company with 10,001+ employees

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“Lightning AI's best feature is the fastest environment setup. Engineers could start experimenting almost seamlessly and immediately, speeding the time significantly. Integrated notebooks are also really good with the development workflows. There is on-demand compute and GPU access, which is also really good. Collaboration is the main feature that we use. It has reduced a lot of time and overall, it has reduced infrastructure overhead for startups such as our company.

“With Lightning AI, collaboration is actually one of the areas where our team saw a tangible benefit. A typical scenario would involve a product engineer and a data scientist and sometimes business stakeholders who are working on the same initiative. For example, we were building a catalog intelligence feature. The data scientist would experiment with embedding models and ranking approaches, while I would focus on integrating those outputs into APIs and product workflows. Instead of everyone maintaining separate environments, we could work with a shared workspace where the notebook, data set, and code were accessible to the team, which made it easier to review each other's work and reproduce results. Another practical benefit was during model review when the data scientist could share notebook demonstrations of why a particular model performed better, and the engineering team could immediately inspect the logic, run additional tests, and validate edge cases without having to spend time recreating the environment locally..”

Shravan Revanna

Product Engineer at a non-profit with 51-200 employees

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“One thing that I came up with regarding my experience using Lightning AI for my projects is that I am wondering about ways to make it easier to scale up experiments and compare results more consistently, which is something that is usually more error-prone when everything is manually managed. Overall, I really appreciate that it can separate the research logic from the infrastructure side, which helps us to make the iteration loop faster and reduce a lot of small implementation mistakes when I am experimenting with different model configurations.

“In my opinion, the best features Lightning AI offers are the clean training structure that makes a separation between model code and training logic, which made the experiment easier to maintain and debug. The logging, checkpointing, and tracking make it much easier to compare runs and reproduce results without setting up external tooling. The ability to scale from local runs to multi-GPU or distributed training without code change is really valuable when iterating on models.

“Lightning AI changed my workflow compared to what I was doing before by not only saving my time, but also making my training and validations more standardized to try different hyperparameters and logging metrics and tracking points. It definitely saved me a lot of time and made the runs more reproducible and easier to compare with each other, which sped up my debugging and tuning process as well.

“Lightning AI positively impacted my organization by saving a lot of my time on training and experiments. While I do not have exact organization-wide metrics, it noticeably reduced the time needed to set up and run experiments. What used to take hours to boilerplate and debug a setup could be reduced to focus mainly on model changes..”

Verified user

Data Engineer at a university with 10,001+ employees

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Other Solutions Considered

“I did not previously use a different solution. I only tried Lightning AI. Previously, I was mainly manually setting up a config to run experiments, so I cannot speak to other options. However, I do know there are lots of options in the industry that I will probably try..”

Verified user

Data Engineer at a university with 10,001+ employees

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Use Case

“My main use case for Lightning AI is to streamline model training experiments, especially with PyTorch-based models. I use it to run image classifications where I can quickly iterate on model architectures and try different models, manage distributed trainings, and track runs and validation results without having to set up manually. This is really helpful for me to automate the training and logging workflows..”

Verified user

Data Engineer at a university with 10,001+ employees

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“The main use case in Lightning AI is building AI applications faster. I have used Lightning AI for setting up GPU servers, Docker, Kubernetes, and ML infrastructure.

“I have used Lightning AI for writing code, training models on GPUs, fine-tuning LLMs, testing models, and deploying APIs. I have tried all of these workflows.

“Lightning AI is excellent for setting up GPU servers, Docker, Kubernetes, and ML infrastructure. It provides everything in one platform, which is the unique aspect I have noticed..”

Pentala Shashank

Engineer at a manufacturing company with 10,001+ employees

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“We primarily use Lightning AI as an experimentation and rapid prototyping environment for AI products. At Klydo, our engineering team works on a mix of recommendation systems, product matching, catalog intelligence, customer support automation, and several internal AI agents. Lightning AI became useful because it allowed us to spin up development environments quickly without spending too much time managing infrastructure.

“I would like to give an example where we used Lightning AI for the product matching system of our fashion catalog. We needed to identify similar products across different brands and suppliers, even when the product title, description, and attributes were not very consistent. Before Lightning AI, this was very difficult and experimentation took a fair amount of engineering efforts. The biggest benefit was iteration speed. We could run multiple experiments and compare model outputs, share notebooks with team members, and validate the results with our business stakeholders in a much shorter cycle, which might have taken several days. This reduced the time to several hours. As a result, we were working on prototypes significantly faster and we were able to focus more on improving model quality rather than spending time on infrastructure and environmental management.

“Another use case involves AI agents and internal productivity tools. Apart from experimentation, we have used Lightning AI for a sandbox environment for building and testing agent-based workflows that interact with multiple data sources. For example, we experimented with an assistant that could query operational data, analyze business metrics, and help our team retrieve insights without having to write SQL queries or navigate dashboards manually. Lightning AI was valuable here because data scientists, product engineers, and business stakeholders could easily collaborate in the same environment. We could quickly prototype an idea and test it with real business scenarios rather than wait for feedback and iterate with delays.

“We also use Lightning AI for AI tools and one use case is knowledge transfer. If someone was out of office or moved to another project, the work was already documented and available within the platform. Onboarding another engineer was much simpler. From a startup perspective, collaboration was not just multiple

people editing the same project. It was reducing the back and forth which is typically involved in AI development instead of sharing screenshots or exporting notebooks or setting up environments repeatedly. The entire team could work on common content and iterate much faster. That is probably why I view Lightning AI less as a notebook platform and more as a shared experimentation workspace for AI teams. The standout features would be fast setup, onboarding, easy access to resources, strong collaboration capabilities, flexible support of AI and LLM workflows, and a faster path from idea to working prototype..”

Shravan Revanna

Product Engineer at a non-profit with 51-200 employees

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Setup

The setup process involves configuring and preparing the product or service for use, which may include tasks such as installation, account creation, initial configuration, and troubleshooting any issues that may arise. Below you can find real user quotes about the setup process.

“Before Lightning AI, infrastructure setup took weeks, GPU management was manual, and multiple disconnected tools existed. With Lightning AI, developers can start coding immediately, which allows for faster experimentation, faster deployment, and easier collaboration..”

Pentala Shashank

Engineer at a manufacturing company with 10,001+ employees

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Customer Service and Support

“I have not interacted with customer support for Lightning AI yet, as most of the questions I had were resolved through documentation and the AI agent tool..”

Verified user

Data Engineer at a university with 10,001+ employees

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Other Advice

“I save around two to three hours per experiment setup using Lightning AI. Over a week with multiple iterations, that could translate to probably a day or two saved because I could focus directly on the model change rather than the infrastructure.

“I would recommend Lightning AI to a team to start with a small project to get familiar with the overall workflow, rather than trying to migrate an entire codebase at once. Once you get familiar with the training structures, it becomes much easier to take advantage of the platform, the scalability, and reproducibility features. I gave this review a rating of eight..”

Verified user

Data Engineer at a university with 10,001+ employees

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“My advice would be to start with a clear use case and leverage Lightning AI for what it does best: accelerate AI development. If the team is spending significant time setting up environments, managing infrastructure, or trying to coordinate experiments across multiple people, you will likely see value fairly quickly. The platform shines when you want to move from an idea to a working prototype as fast as possible. I recommend treating it as an enabler rather than expecting it to solve every AI challenge. Success still depends on having good data, clear business objectives, and a disciplined approach to experimentation. Lightning AI makes those processes faster, but it does not replace them. For startups and smaller teams, I suggest starting with one or two high-impact projects rather than trying to migrate everything at once. We found the biggest win came from rapid prototyping, model evaluation, and AI application development where speed matters most. For larger organizations, it is worth spending time upfront defining governance, resource management, and collaboration practices so teams can scale their usage efficiently. Use Lightning AI to remove infrastructure friction and accelerate experimentation, but focus your energy on solving business problems rather than exploring technology for its own sake. I would rate this product a 9 out of 10..”

Shravan Revanna

Product Engineer at a non-profit with 51-200 employees

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“If someone wants to deploy or build any LLMs or models, they can use Lightning AI. It can be used for cost savings and will impact their business positively. It has one-click deployment, and LLM training, fine-tuning, and deep learning can all be accomplished using Lightning AI. I would recommend Lightning AI to others.

“The accuracy is very good when compared to others. The reliability of output is also good, as expected by developers.

“Regarding governance and security, enterprise features include team workspaces, role-based access, private cloud deployment, and a secure environment. Lightning AI is deployed in our LTTS private cloud to ensure security.

“I would rate this product an eight out of ten..”

Pentala Shashank

Engineer at a manufacturing company with 10,001+ employees

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Top Industries

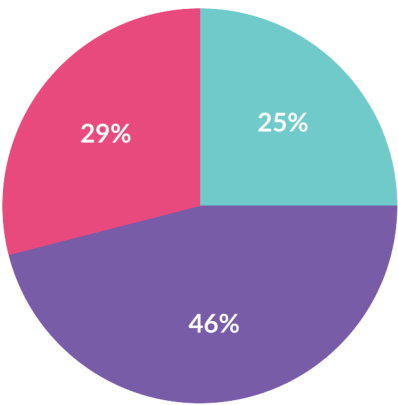
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Company Size

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Large Enterprise Midsized Enterprise Small Business

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