





















Top Machine Learning Companies in 2022

Featured companies

 SumatoSoft  \$25,000+  \$50 - \$99 / hr  VISIT WEBSITE	<p>Want to get featured?</p> <p>GET FEATURED</p>
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 InData Labs  \$10,000+  \$50 - \$99 / hr  50 - 99  SMBs  Cyprus, Nicosia  2014  Within 1 week	<p><i>Big on Data Science & AI</i></p> <p>InData Labs is a high-quality provider of Big Data and Artificial Intelligence services tailored to the unique and challenging requirements of their Clients.</p> <p>The company specializes in Data Science, Data Analytics, Artificial Intelligence, Computer Vision, Business Intelligence, and Machine Learning.</p> <p>Service Line</p> <p>0% Machine Learning</p>	<p>Techreviewer Rating</p> <p>5.0</p> <p>★★★★★</p> <p>PROFILE</p>
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 Diffco  \$25,000+  \$50 - \$99 / hr  10 - 49  Enterprise  United States, Sunnyvale  2008  Within 2-3 weeks	<p>World-class senior developers in Mobile, Web, and AI to launch, accelerate, and support your business applications.</p> <p>Service Line</p> <p>0% Machine Learning</p>	<p>Techreviewer Rating</p> <p>5.0</p> <p>★★★★★</p> <p>PROFILE</p>
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Echo Innovate IT



VISIT WEBSITE

- \$5,000+
- \$30 - \$49 / hr
- 50 - 99
- Startups
- United States, Plymouth
- 2012
- Within 2-3 weeks

Leading Mobile App Development Company

Echo innovate IT provides result-oriented and quality IT solutions across the globe. Our business strategists sit down with our clients, understand their needs, and do not stop until we have given our best. Besides, we create, analyze, optimize, and test the application until we are sure of its (app) yielding maximum results.

Service Line

0% Machine Learning

Techreviewer Rating

5.0



[PROFILE](#)



SoftwareMill



VISIT WEBSITE

- \$50,000+
- \$50 - \$99 / hr
- 50 - 99
- SMBs
- Poland, Warszawa
- 2009
- Within 2-3 weeks

SoftwareMill is a custom software development company helping clients scale their business through software, conduct digital transformation, implement event sourcing and create data processing pipelines. The company is 100% remote, bottom-up and agile, and has been delivering service remotely, globally, for 10 years. The team consists of +50 mid and senior software engineers specialized in distributed systems, big

Service Line

0% Machine Learning

Techreviewer Rating

5.0



[PROFILE](#)



Apzumi



VISIT WEBSITE

- \$10,000+
- \$50 - \$99 / hr
- 50 - 99
- Startups
- Poland, Poznan
- 2013
- Within 1 week

Top healthcare app developers

Apzumi is a boutique software agency specialized in digital health, wellness and fitness.

Service Line

0% Machine Learning

Techreviewer Rating

5.0



[PROFILE](#)



MobiDev



VISIT WEBSITE

\$10,000+

\$30 - \$49 / hr

250 - 999

Startups

United States,
Atlanta

2009

Within 1 week

Our clients are visionaries, and they are motivated to re-shape the future with new products. They need a strong team that will be on the same page and dedicated to helping ideas grow. MobiDev takes care of software development, so our clients can focus on what matters. MobiDev is into Artificial Intelligence, Machine Learning, Augmented reality, IoT, and Cloud Services. Also, we cover Web, Mobile, and Cross-platform

Service Line

0% Machine Learning

Techreviewer Rating

5.0



PROFILE



apptomate



VISIT WEBSITE

\$5,000+

\$100 - \$149 / hr

100 - 249

SMBs

United States, San
Pablo

2009

Within 2-3 weeks

apptomate is a Global IT / Software Consulting and Management Company in India, USA and Germany

Service Line

0% Machine Learning

Techreviewer Rating

5.0



PROFILE



Sibedge



VISIT WEBSITE

\$10,000+

\$30 - \$49 / hr

100 - 249

SMBs

Australia, Perth
WA

2006

Within 1 week

Technology vision with a human touch

Sibedge is a globally distributed software engineering company that puts people first. For over 15 years, we have successfully implemented over 350 projects across more than 27 countries. With headquarters in Australia and teams of highly-trained engineers around the world, Sibedge delivers high-value services to empower clients digital transformation and strengthen clients' software solutions. Sibedge service architecture combines both

Service Line

0% Machine Learning

Techreviewer Rating

5.0



PROFILE



ConvrtX



VISIT WEBSITE

\$5,000+

\$30 - \$49 / hr

100 - 249

Enterprise

Canada, Toronto

2015

Within 1 week

We serve to you

ConvrtX is an award-winning venture studio that builds and scales software startups to dominate their markets.

Service Line

0% Machine Learning

Techreviewer Rating

5.0



PROFILE



Appello Software



VISIT WEBSITE

\$10,000+

\$50 - \$99 / hr

50 - 99

SMBs

Australia, Sydney
NSW

2016

Within 2-3 weeks

Your reliable software partner

Appello is a full-service software company that offers competitive mobile & web software development for enterprise and startup clients in Australia. We create award-winning apps, web-apps, and software products. Our full-stack engineers, frontend engineers, UX/UI designers and industry-leading project managers are ready to take your project to the next level.

Service Line

0% Machine Learning

Techreviewer Rating

5.0



PROFILE



AI Superior

[VISIT WEBSITE](#)

- \$10,000+
- \$50 - \$99 / hr
- 10 - 49
- SMBs
- Germany, Darmstadt
- 2019
- Within 1 week

AI Superior GmbH

AI Superior provides end-to-end product and solution design based on big data, machine learning, and artificial intelligence. Our experienced team will build a solution that fulfills your requirements and allows flexibility for future evolution.

Service Line

0% Machine Learning

Techreviewer Rating

4.9
★★★★★

[PROFILE](#)



Xicom

[VISIT WEBSITE](#)

- <\$5,000
- \$50 - \$99 / hr
- 250 - 999
- SMBs
- United States, San Francisco
- 2002
- Other

Xicom Technologies , a front-runner in the software development realm, is a CMMI Level-3 & ISO 9001 Certified company that is renowned for providing top-notch services to its global clientele. Xicom Technologies , a front-runner in the software development realm, is a CMMI Level-3 & ISO 9001 Certified company that is renowned for providing top-notch services to its global clientele Establishing itself as a reliable service provider over

Service Line

0% Machine Learning

Techreviewer Rating

4.9
★★★★★

[PROFILE](#)



Master of Code Global

[VISIT WEBSITE](#)

- \$25,000+
- \$50 - \$99 / hr
- 100 - 249
- Enterprise
- United States, Redwood City
- 2004
- Within 2-3 weeks

AI-Powered Conversational Solutions

Master of Code partners with the world's leading brands to design, develop and launch apps, chat, and voice conversational AI experiences across a multitude of channels.

All of our conversational AI projects include conversation design services from a dedicated designer. We use data to inform our design decisions ensuring your customer pain points are addressed and solved with

Service Line

0% Machine Learning








Techreviewer Rating

4.9
★★★★★

[PROFILE](#)

 **Serokell**

 [VISIT WEBSITE](#)

-  \$10,000+
-  \$100 - \$149 / hr
-  100 - 249
-  Enterprise
-  Estonia, Tallinn
-  2015
-  Within 1 month

Your expectations, lifted

Serokell is a software engineering company that was founded in 2015. It consists of 50+ full-stack developers that deliver turnkey software for Fintech, IoT, Edtech, and Ecommerce. Serokell focuses on the development of large-scale and complex IT projects. Their core expertise lies in blockchain, decentralized systems, and computer science. The team has collaborated with IOHK (Cardano) and the

Service Line

0% Machine Learning

Techreviewer Rating

4.9

★★★★★

PROFILE

 **Dogtown Media**

 VIEW VIDEO

 [VISIT WEBSITE](#)

-  \$25,000+
-  \$100 - \$149 / hr
-  10 - 49
-  Enterprise
-  United States, Los Angeles
-  2011
-  Within 1 month

If you can dream it, we can build it.

Dogtown Media is a mobile technology studio that leverages disruptive design strategies and dynamic development to deliver industry-leading apps. To date, the company has created over 250 mobile apps in industries including Healthcare app development, the Internet of Things, and Artificial Intelligence.

Service Line

0% Machine Learning

Techreviewer Rating

4.9








★★★★★

PROFILE

VIEW VIDEO

 **Oxagile**

 [VISIT WEBSITE](#)

-  \$50,000+
-  \$50 - \$99 / hr
-  250 - 999
-  Enterprise
-  United States, New York
-  2005
-  Within 1 week

Oxagile is a New York-based software development services provider that has been delivering high-quality solutions to clients since its foundation in 2005. The company serves a wide range of business verticals, including Media and Entertainment, Healthcare, Finance, and Banking, Sports, eCommerce, and more. The company is known for its innovative approach to challenging projects

Service Line

0% Machine Learning

Techreviewer Rating

4.9

★★★★★

PROFILE



Fusion Informatics Pvt Ltd



[VISIT WEBSITE](#)

\$25,000+

\$100 - \$149 / hr

100 - 249

Startups

India, Bengaluru

2000

Within 1 week

Transform Your Business for Tomorrow

Fusion Informatics believes that applications can empower and transform businesses in today's dynamic market. We infuse digital technologies into our applications which are backed by our industry and business experts. Our web, mobile, and cloud applications are crafted to perform at blazing speed coupled with strong security and scalable features. While delivering applications, we emphasize a customer-centric model that ultimately helps

Service Line

0% Machine Learning

Techreviewer Rating

4.9



[PROFILE](#)



BroutonLab



[VISIT WEBSITE](#)

\$10,000+

\$50 - \$99 / hr

10 - 49

Startups

Israel, Haifa

2017

Within 1 week

Data Science Expertise to Grow Your Business

We are BroutonLab, a data science company with in-house data scientists, data engineers, and software developers. We help tech startups hire and manage data scientists and engineers with our Agile, iterative approach to resolving data science problems. We work with the best tech startups and companies in sprints to deliver complex AI solutions while working fractionally to optimize our collaboration and provide maximal

Service Line

0% Machine Learning

Techreviewer Rating

4.9



[PROFILE](#)



SPD-Group



[VISIT WEBSITE](#)

\$5,000+

\$30 - \$49 / hr

250 - 999

SMBs

United Kingdom,
London, UK

2006

Within 2-3 weeks

Making innovations available for every business

While modern technologies change our world, we help companies with innovative Software Engineering and Digital Transformation Solutions.

Service Line

0% Machine Learning

Techreviewer Rating

4.8



[PROFILE](#)



AM-BITS

[VISIT WEBSITE](#)

- \$10,000+
- \$50 - \$99 / hr
- 50 - 99
- Enterprise
- Ukraine, Kiev
- 2016
- Other

AM-BITS

AM-BITS is a system integrator of comprehensive IT solutions in the areas of network and computing infrastructure, data storage and virtualization, cybersecurity, enterprise system monitoring and technical support. We leverage the world's best practices in the field of Big Data, AI, ML and IoT to build efficient production-ready software and hardware solutions for enterprises.

Service Line

0% Machine Learning

Techreviewer Rating

4.8
★★★★★

[PROFILE](#)



Businessware Technologies

[VIEW VIDEO](#)

[VISIT WEBSITE](#)

- \$10,000+
- \$30 - \$49 / hr
- 50 - 99
- Startups
- Armenia, Ereván
- 2004
- Within 1 week

Innovate business with software

We are a team with nearly 2 decades of software development experience. Working on a diverse range of projects has proven our ability to meet time frames, budgets and deliver high quality solutions that satisfy clients' needs. Businessware Technologies has become a trusted vendor for many partners it has been working with for more than 10 years.

Service Line

0% Machine Learning

Techreviewer Rating

4.8
★★★★★

[PROFILE](#)

[VIEW VIDEO](#)



InSky Solutions

[VISIT WEBSITE](#)

- \$25,000+
- \$50 - \$99 / hr
- 10 - 49
- Enterprise
- Croatia, Zagreb
- 2016
- Within 2-3 weeks

A Microsoft Gold Partner, InSky Solutions offers a wide variety of customer relationship management and administrative tools aiming at providing clients and their customers optimal user experience and business success.










Service Line



0% Machine Learning










Techreviewer Rating

4.8
★★★★★

[PROFILE](#)

	<h2>Prompt Softech</h2>	 VISIT WEBSITE
<ul style="list-style-type: none">  \$5,000+  \$30 - \$49 / hr  250 - 999  Enterprise  India, Ahmedabad  2011  Within 1 week 	<p><i>Empowering Enterprises</i></p> <p>Prompt Softech is a passion-driven Software Development Company. We face every challenge with joy and commitment. We continuously seek a balance between ideas, design, and technology. We deliver intelligent products, engaging experience and exceptional solutions for our incredible clients all over the world. Proven global capabilities, quality standards, and efficient delivery processes make us your global partner for a new era.</p> <p>Service Line</p> <hr style="width: 100%; border: 0.5px solid #ccc;"/> <p>0% Machine Learning</p>	<p>Techreviewer Rating</p> <p style="font-size: 24px; font-weight: bold;">4.8</p> <p>★★★★★</p> <div style="border: 1px solid #ccc; padding: 5px; width: fit-content; margin: 0 auto;"> PROFILE </div>

	<h2>Sparkbit</h2>	 VISIT WEBSITE
<ul style="list-style-type: none">  \$25,000+  \$100 - \$149 / hr  10 - 49  SMBs  Poland, Warsaw  2014  Within 2-3 weeks 	<p>Sparkbit is a premium quality software development company offering Machine Learning, R&D, and challenging system development solutions. We help organizations build the most demanding products by providing senior agile teams of developers with 8+ years of average experience.</p> <p>Service Line</p> <hr style="width: 100%; border: 0.5px solid #ccc;"/> <p>0% Machine Learning</p>	<p>Techreviewer Rating</p> <p style="font-size: 24px; font-weight: bold;">4.8</p> <p>★★★★★</p> <div style="border: 1px solid #ccc; padding: 5px; width: fit-content; margin: 0 auto;"> PROFILE </div>

	<h2>Uruit</h2>	 VISIT WEBSITE
<ul style="list-style-type: none">  \$75,000+  \$50 - \$99 / hr  100 - 249  Enterprise  United States, Los Angeles  2007  Within 2-3 weeks 	<p><i>We transform bold ideas into exceptional products</i></p> <p>At Uruit, we've delivered more than 150 successful digital products for companies in industries like healthcare, Real Estate, education, and more. We can help you achieve your goals of today & tomorrow.</p> <p>Service Line</p> <hr style="width: 100%; border: 0.5px solid #ccc;"/> <p>0% Machine Learning</p>	<p>Techreviewer Rating</p> <p style="font-size: 24px; font-weight: bold;">4.8</p> <p>★★★★★</p> <div style="border: 1px solid #ccc; padding: 5px; width: fit-content; margin: 0 auto;"> PROFILE </div>

How does Machine Learning work?

Machine learning is a major core subset of the all power Artificial Intelligence industry. We define machine learning as way for computers to think and process data like we humans do without having to program it. This innovative technology allows machine learning companies to develop ML applications that learn from experience and generate new outcomes without being told where to look. Learning from past experience and new data, allows for growth, change, and redevelopment of what the perceived answer or outcome was and what it should be in the future.

A great example of machine learning at work is a customer service call. Top machine learning companies have developed applications to automate responses and provide customer information based on real-time conversion. Ever had to call the customer support line and hear a “bot” answer and respond like a real person? Well that’s machine learning at its finest. Since the patterns of speech dialog (data) have been predefined, the application can find the best response, and direct the customer to the most appropriate outcome.

Machine learning is a powerful tool that is becoming popular in a wide range of industries. It can be used for projects such as facial recognition, fraud detection, and even self-driving cars.

How machine learning works?

Machine learning is an area of computer science that allows computers to learn without being explicitly told what to do. In other words, machine learning allows computers to “learn” by examining data and detecting patterns. This process is called “training” the ML algorithm.

The process of building and defining what you want out of your ML application starts with inputting the proper data into the algorithm. There two sets of training data to feed your algorithm, known or unknown data. Correctly entering this data is crucial for the end result, if done incorrectly you will spend more time “unlearning” your application or having to restart from scratch.

ML algorithms are built in a variety of ways, but they all share the same structure:

- Processing is the first task when creating an ML algorithm. This includes removing noise and outliers, changing the data into a proper format, and partitioning it into collections to cleanse and prep the data for training.
- Once processing has been completed, next step is to train the algorithm to use the prepped data. During this task, the algorithm will detect new patterns to determine desired outcomes.
- The final step in the base structure is prediction. As you might have guessed after the processing and training of the data, the algorithm will now create predictions. This can be performed real time or when the app is dormant.

There are many applications for machine learning to be used in, including picture recognition, real communication processing, and predictive analytics. In addition, machine learning can be used for responsibilities such as fraud detection, speech recognition, and stock market prediction.

Most machine learning algorithms are “supervised” algorithms. Meaning they need a training data that have both input options and target values. Or you can go with an unsupervised algorithm, which do not need training.

What is a ML company?

A machine learning development company is a organization that specializes in creating ML algorithms and applications. These companies typically have a team of engineers who create and design the algorithms, and data scientists on staff who are responsible for preprocessing and ensuring the information is suitable for training.

Engineers and data scientists may sound like similar positions but data scientists are responsible for a wide range of assignments, including data prep, feature mining, model choice, and parameter modification. They also play a key role in debugging the models and troubleshoot any errors that may occur during the training procedure.

Machine learning companies are normally divided into two groups: “data-driven” companies and “algorithm-driven” companies. Data-driven companies focus on obtaining value from large amounts of records. Algorithm-driven companies, on the other hand, focus on expanding new machine learning algorithms and improving existing ones.

You’d be surprised at the amount of machine learning companies there are to choose from, ranging from small startup business to massive tech firms. Some examples of businesses that you already know and use on daily basis include Google, Amazon, Facebook, and IBM.

There is currently a great demand in the market for ML experts. If this career sound interesting to you, it is important to learn all about machine learning algorithms and applications.

What does a Machine Learning engineer do?

I mention earlier in this article that a machine learning engineer is a professional who creates and designs algorithms. To be classified as an ML engineer you need a background in several STEM areas such as computer science, mathematics, or statistics. You must also be familiar with the theory and understanding of how ML works. This will require knowledge of algorithms, data structures, and software development.

Machine learning engineers work on a variety of tasks, including data preprocessing, algorithm design, model selection, and parameter tuning. They also play a vital role in debugging models and troubleshooting any errors that may occur during the data training process. Engineers also have the major responsibility of taking the machine learning algorithm and turn it into a working product. This process often includes working in conjunction with a team of data scientists to prep and ensure the data is ready for training the ML algorithm.

Due to the growing popularity of machine learning and its powerful use cases, ML engineers are highly sought-after individuals. In addition to working with algorithms, ML engineers also need to be comfortable working with big data systems. If you are interested in pursuing a career in this field, familiarity with software development in programming languages such as Java, Python, or R, will also be crucial to your success.

What is the difference between AI and Machine Learning?

So big picture, Artificial intelligence is a large umbrella with multiple strands that focus on building intelligent agents. The goals of these agents are to think, discover, and act independently. Now, machine learning is a subset of AI that focus on creating algorithms that can automatically improve a given scenario. Machine learning describes the ability computers have to learn from processed data and improve results over time without human intervention.

Basically, machine learning algorithms are responsible for improving a given experience automatically, while artificial intelligence algorithms are in charge of building intelligent agents. Both AI and ML areas are growing rapidly and have a lot of overlap within their education. For example, many machine learning algorithms are used to create intelligent agents, and both fields make use of data mining, pattern recognition, and predictive modeling.

The main difference between machine learning and artificial intelligence are as follows, ML focuses on creating algorithms using datasets that can automatically improve a given experience, while AI focuses on creating systems that can reason, learn, and act independently. AI refers to the broader umbrella of artificial intelligence subsets, which includes machine learning and other STEM areas like organic language processing, computer vision, and robotics.

What is regularization in Machine Learning?

At this point we understand machine learning companies are responsible for developing algorithms. But there are times in the development process where the data being inputted will experience an issue known as "noise" or undesired signal. Noise can become a major issue in the process and cause incorrect outputs. So in machine learning, regularization is a technique used to prevent this.

Regularization introduces additional restrictions during the learning process in order to reduce the complexity of the model and create accuracy. This is performed by penalizing models that are too complex based the amount of data they are processing. Basically, regularization assists to avoid overfitting when training.

As I mentioned above, Regularization is a technique used to prevent overfitting in ML models. Well, what exactly is overfitting? Essentially it happens when a model is too complex and learns the noise (undesired data) of the underlying signal. This can lead to low performance on data that is unknown. So regularization was incorporated and designed to combat overfitting to encourage the ML model to learn only the important features.

When performing regularization there are many techniques to implement for your algorithm. This includes weight decay, LASSO, ridge regression, and elastic net regression. Each option has its own pros and cons, so it's important to understand the differences and which one will work best for your situation.

Of those options however, the two main types are: LASSO and Ridge Regression. This part will get a little technical but LASSO focus on adding penalties equal to the exact value of the coefficients in the algorithm. While Ridge Regression focuses on penalties that equal the square of the coefficients in the algorithm. Both techniques work to reduce overfitting by shrinking the coefficient values of less important features.

What is an Epoch in Machine Learning?

When machine learning development companies create algorithms, as mentioned before, use three stages before completion. An epoch focuses on the training phase. As a reminder, training is the phase when developers will feed data to the algorithm for the desired outcome. So during this step, the machine learning algorithm will repeat the data a set number of times, this repeating process is called an epoch.

More specifically, during the epoch, the model learns the entire training data, then evaluates the loss role when its validation time. Keep this in mind, the number of epochs is a tunable hyperparameter that is necessary for most efficient result.

Let's break this down, in this example you are training a machine learning model with a dataset of 50 patterns, an epoch would require training on all 50 patterns and then evaluating the loss of those 50 patterns. You can assume you won't find the desired outcome with one epoch, so let's perform 500 epochs. That means your model has seen 25,000 examples (500 epochs multiplied by 50 patterns) over the course of training.

The number of epochs you use is defined on the amount, and complexity of data in your machine learning model. When using an epoch, you want to use enough so the machine learning algorithm has learned all of the important features in the data. Now here is the difficult part, too little epochs can lead to underfitting, while having too many epochs can lead to overfitting. In general, you want to find the in-between area where your model is performing well but has not begun too overfit.

What is Stacking in Machine Learning?

Top machine learning companies introduce several techniques to improve the performance of a ML model. So far, we've gone over regularization, epochs and now stacking. Stacking is combining multiple machine learning models into one, which is then fine-tuned using a cross-validation process.

Stacking has many advantages, but mainly it focuses on combining the predictions of multiple models in order to produce more accurate predictions. This is extremely helpful when one or more of the specific models are not performing properly on their own. By combining the poorly performing models, you will receive better predictions compared to any of the individual models.

There are many techniques to stack machine learning models, each with its own set of pros and cons. The most common approach, and what we will focus here, is to stack multiple neural networks together. Combining each network that specializes in a different task will result in the desired outcome. One other approach is to use an algorithm that can automatically choose the best machine learning model for each new data set.

Stacking is an important process in machine learning and can be used to increase the performance of any poorly executing machine learning model. If you're having issues, and not getting the desired results out of your algorithm, you should consider using stacking in order to get the most out of your ML models.



[David Malan](#)

Techreviewer author