

What is DeepDev?

DeepDev is a platform with the goal of democratizing machine learning and redefining machine learning education. We take a code-less approach to learning, building, and deploying state of the art machine learning applications.

Problem

Machine Learning should not be hard, yet there exists a huge barrier to entry. To begin developing in machine learning, you require backgrounds in Calculus, Linear Algebra, Algorithms, Computer Science, and much more. This prevents everyone from accessing one of the most powerful tools, hindering business development and technological innovation.

Solution

No longer should machine learning require any prerequisites. DeepDev streamlines the learning process by taking a design approach, utilizing an intuitive drag and drop editor similar to MIT SCRATCH. DeepDev takes care of all the technical details by generating all the code necessary to deploy your model, allowing anyone to develop high functional ready to use machine learning solutions in their browser.

Our three step process:



Upload your own data or choose one of DeepDev's many tutorial datasets. DeepDev's automatic data preprocessing allows you to build solutions to all types of problems whether it is image classification for cancer diagnosis, anomaly detection in hardware, customer segmentation to increase conversions, or stock market predictions.



Build your model through a drag and drop layer editor that does not sacrifice understanding for simplicity. Our design lets you fine tune all the parameters that a developer would have access to for pure visualization. We plan on integrating AutoML in the future which will allow DeepDev to automatically recommend a good model architecture based off the dataset.



DeepDev takes care of all the technical details by generating all the code for you that is ready to run within your browser. We annotate the code such that it visually corresponds to the model you designed on DeepDev.

Timeline



End Goal:

Ultimately, DeepDev aims to become the go to resource for machine learning education and development, usable across all platforms. To **monetize**, we plan to make DeepDev free to use for individuals and license DeepDev as software for educational institutions and companies. We aim to visualize all the tools used by machine learning developers without removing them, allowing anyone to design state of the art applications through DeepDev. The goal is to make DeepDev deploy models that are easily compatible with web development, mobile app development, VR/AR development, and many other domains such that it simplifies all aspects of machine learning development. DeepDev is changing the status quo for machine learning. By democratizing the most powerful tool, we are building the next generation of innovators, entrepreneurs, and unicorn companies. We are here to make machine learning the new electricity.