



presents

Makers

SDSLabs goes recruiting this January. Every year, we organize some competitions on Erdős, Backdoor, and Codevillage before the recruitment test. The top scorers in these competitions are given a direct entry to the interview. We are adding another such option this year. We are inviting you to show us a project that you can build in the next one month. If your project is good enough, you will get a direct entry to the interview.

Project Ideas:

1. **Make a browser-based game using HTML canvas and javascript. Bonus: Make it multiplayer (people on different machines should be able to play with each other).**
2. **Cross Platform White Board (Mobile and Web) - Create a web/mobile application which allows you to draw pictures, write notes and use various colors to chalk out ideas for projects.**
3. **Create a simple chat service. You can create a web application, or even low-level chat server and client programs in C/C++/Rust/others. Bonus: Add End-to-End encryption.**
4. **Write a program to visualize data packets as they progress through all the layers of a TCP/IP stack. For example - Consider a packet that comes for an apache service. Your program should show the progress of the packet through the various computer network layers i.e., moving upwards from Data Link layer to Network layer and so on, until it finally reaches the Application layer.**
5. **Make a CLI tool providing any functionality of your choice. Example: A cli tool to sync your backup with google drive.**
6. **Make a plugin or a package for any popular web framework or library. Possible examples are (i) a plugin for jQuery, or (ii) CORS middleware for Laravel, or (iii) a Carousel component for React.js.**
7. **Make a Firefox/Chrome extension that does some useful task. A possible example is a Chrome extension that manages browser cookies, or one that fetches the names of the ten most popular TV series of the month according to some popular rating website. Use your creativity.**

LAST DATE FOR SUBMISSION : **11th Jan - 11:59 PM**

Note: These suggestions are to give you a ballpark idea of what we are expecting. You are, however, free to work on anything of your choice. You can even submit your previous works.