

# Eshan Kelkar

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## EDUCATION

### Pursuing B.Tech. (2021-2025)

Computer Science & Engineering  
IIIT – Bhopal, India

**CPI : 9.77 up to 4<sup>th</sup> semester**  
Currently in fifth semester

**CBSE XII marks : 97.6 %**  
Year of passing : 2021

**CBSE X marks : 97.16 %**  
Year of passing : 2019

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## SKILLS

### C

Level : Intermediate  
Multi Threading, Forking,  
Network & System Programming

### C++

Level : Intermediate

### Javascript

Level : Beginner

### HTML5 Canvas Programming

Level : Intermediate

### Bash Shell Script

Level : Beginner

I am currently looking for a role as an intern where I can contribute and make an impact in programming domain using my skill set.

## PROJECTS

### libssh async SFTP client Google Summer of Code 2023

libssh participated in Google Summer of Code 2023 program and I was selected as a participant to write long awaited functionality for high performance SFTP transfers. I was paid a stipend of 3000 USD.

- Using the low level asynchronous API user can perform remote read and write operations.
- Using the high level file transfer API user can perform local to remote, remote to local & remote to remote file transfers. The high level API internally uses the low level asynchronous API.

URL : <https://galorithm.com/gsoc2023>

### File transfer utility

- Using this utility, the user can login remotely through a Command Line Shell and perform file transfer operations.
- User can use commands like upload, download, mkdir, ls, cp, mv, rm etc. to perform specific operations.
- User will have to install a server program on the remote machine and install a client program on local machine.

URL : <https://galorithm.com/FileTransferUtility>

### Algorithms & data structures visualization tool

- It is an application with HTML Canvas User Interface
- User can choose algorithm or data structure to visualize
- Application accepts data and dynamically generates animated visuals. At the end, the user can visualize the C programming language code being typed, compiled and executed.

URL : <https://galorithm.com/Algorithms>

### Components library for HTML Canvas

- It contains set of classes that represent components that can be used in a HTML Canvas application.
- Form, Label, TextBox, ActionButton & List are the components present in the library.
- The components have support for mouse, keyboard, focus and change events.

URL : <https://galorithm.com/CanvasComponents>