

Eshan Kelkar

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Education

Indian Institute of Information Technology (IIIT), Bhopal

Bachelor of Technology in Computer Science & Engineering (2021-2025) **CGPA : 9.79/10**

CBSE XII : **97.6%**

CBSE X : **97.16 %**

Skills

Machine Learning, C (Multi Threading, Forking, Piping, MySQL API, Network and System Programming), C++, Git, MySQL, HTML5 Canvas programming using JavaScript, Bash Shell Scripting, Gnuplot and Octave

Experience

Google Summer of Code 2024 , **libssh mentor** **May 2024 to Sep 2024**

- Mentored a project to enhance support for OpenSSH format certificates in libssh.
- URL : <https://galorithm.com/gsoc2024>

Teaching Assistant, Mathematics (MTH-211) IIIT Bhopal **July 2023 to Dec 2023**

- Created lecture presentations and graded students to assist Dr Nisha Singhal.

Google Summer of Code 2023 , **libssh contributor** **May 2023 to Sep 2023**

- Created a new low level asynchronous remote file I/O API.
- Created a new high level file transfer API which supports uploads, downloads and remote copies.
- URL : <https://galorithm.com/gsoc2023>

Projects

libgml: Galo Machine Learning Library

- A machine learning library written entirely in C, having zero external dependencies.
- Supports fully connected neural networks, linear regression, logistic regression, matrix/vector operations and much more...
- URL : <https://galorithm.com/GML>

File Transfer Utility

- Client-Server utilities written in C for remote file management and file transfers.
- Supports commands like upload, download, mkdir, ls, cp, mv, rm etc.
- URL : <https://galorithm.com/FileTransferUtility>

Algorithms & Data Structures Visualization Tool

- An HTML5 Canvas based web application which uses dynamic animation frame generation for visualizing various data structures and algorithms
- URL : <https://galorithm.com/Algorithms>

Components Library for HTML Canvas

- An HTML5 Canvas library which provides support for interactive GUI components.
- Allows users to attach custom event handling callbacks to those components.
- URL : <https://galorithm.com/CanvasComponents>