



## HARI GOVIND S

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### SUMMARY

The internship in your organization will help me hone my skills and demonstrate my problem-solving, creativity, and analysis skills. I believe that my dedication, professional skills, technical skills, and optimistic outlook can meet the high standards set by your organization.

I consider the opportunity to be a part of your organization an honor and look forward to a mutually beneficial relationship.

### ACADEMICS

COURSE	BOARD / UNIVERSITY	CGPA	YEAR
AISSE	Central Board of Secondary Education	10	2016
AISSCE	Central Board of Secondary Education	9.2	2018
CSE (Dual Degree)	Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram	7.61 (Current)	2024

### SKILLS & KNOWLEDGE

SUBJECTS AND ELECTIVES	Programming and Data Structures, Algorithms, Theory of Computation, Computer Organization and Design, Operating Systems, Computer Networking, Database Systems, Data Analytics High Performance Computing, Pattern Recognition, Machine Learning
TECHNICAL SKILLS	C, C++, Java and Python Programming, Visual Studio (Visual Basic), MySQL, HTML, PHP, CSS, Javascript (JSON), AutoCAD, 3Dmax, Blender 3D
PROFESIONAL SKILLS	Time Management, Goal Setting, Multitasking, Problem-solving, Creativity, Analysis skill

### ACHIEVEMENTS

Achieved outstanding results in Kishore Vaigyanik Protsahan Yojana in 2017  
Participated in Joint Entrance Examination – Main during year 2018 and 2019  
Participated in Joint Entrance Examination – Advanced during the year 2018 and 2019  
Achieved outstanding results in Undergraduate Common Entrance Examination for Design (2019)  
Shortlisted for EHIPASSIKO- Industry Open House Event 2022

## PROJECTS

### Video Conference Web App

Build a Video Chatting App like Google Meet with features like video and voice mute.

It was developed using HTML, CSS, and Javascript as part of the Flipr Hackathon XIV.

Using unfamiliar peer-to-peer communication technology within a short period of time required strong adaptability.

Resource folder : <https://github.com/Hari-Govind-S/videochatappfinal.git>

### Shape Searching Algorithm

Python code that searches for similar shapes in an input file given a template. The matching shapes will be printed in the same format as the input file.

This was part of a one-day Hackathon by KLA Tencor to test the candidate's time management and pressure management.

Resource folder : <https://github.com/Hari-Govind-S/klaworkshop>

### Online Complaint Forum

Customer complaints can be lodged on the website, and staff can respond and communicate with them.

Managing a team of four members, I oversaw the completion of this project using HTML, PHP, CSS, and JavaScript.

We were tested on our teamwork, leadership, and time management abilities.

### Fake Face Detection

An App that can detect fake faces from real faces using Deep Learning

It was developed on jupyter notebook using VGG algorithm

Link : <https://colab.research.google.com/drive/18b2e6B8aKholvHBTr8tUrF77ICChFeC?usp=sharing>

### Parallel computing of Helmholtz equation on a rectangular grid

Implemented a optimized and parallelized versions to solve Helmholtz equation using OpenMP, MPI and CUDA.

Implemented profiling techniques and found what part of program is slower than expected.

### Platform Game using OpenGL

Developed a graphical user interface implementation of a classic platform game using OpenGL graphics library in C++.

Designed and programmed game mechanics, including moving enemies and various win/loss conditions