

# Saksham Mrig

<https://sksum.github.io>

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## EDUCATION

**Indraprastha Institute Of  
Information Technology - Delhi  
Btech CSAM (2019 - Present)**  
CGPA - 8.74

**DPS Vasant Kunj (CBSE 12th)**  
Percentage 89%

## SKILLS

### Expertise Area:

Web Development,  
Data Structures and Algorithms.

### Programming Languages:

C, C++, JavaScript, TS, Java, Python,  
Rust

### Tools And Technologies:

Git, Arduino, Unity, Flask,  
MERN stack, WebAPIs (WebRTC,  
WebMidi, WebAudio).

## Positions Of Responsibility

**Byld** (IIITD's software development  
club) **Core Member:**  
Helping other students to get  
started with new technologies.

**SugarLabs** (Open Source  
Foundation) **Member**

Contributing in the release of  
MusicBlocks v-2.

### ESYA RoboRace Team:

Coordinated the roborace event  
with more than 200 participants in  
ESYA 19.

### BHUMI:

Volunteered for the KANINI  
project, mentoring and teaching  
computer basics to 34  
underprivileged students

## EXPERIENCE

### Google Summer of Code 2020

*Sugarlabs | May - August 2020*

Mentors: Walter Bender, Devin Ulibarri, Sumit Srivastava

Resolved 72 issues in MusicBlocks along with major enhancements: Integrated  
USB MIDI input, PitchAnalyser (Audio to Pitch converter), and also improved the  
in-app search results.

### Undergraduate Researcher

[Precog@IIITD](mailto:Precog@IIITD) | January - Present 2021

Guide: Prof. Ponnurangam Kumaraguru

Worked on various research projects, like exploring different employment scams  
using knowledge graphs and analyzing twitter and parler posts and their role in  
the 2021 capital riots in the USA

## PROJECTS

### Styra | Grand Prize Winner @ HackPSU

*March 2021 | Team Size: 5*

Chrome extension that detects change in browser surfing behaviour when the  
user gets distracted and helps you stay productive and on track of your goals.

### Library Portal Revamp @ IIITD

*March - Present 2021 | Team Size: 2*

Complete revamp of the official IIITD library portal using sapper and a headless  
drupal cms. (not live currently)

### Study-Rooms ([web link](#))

*November 2020*

Online platform for peer-learning (with video conferencing) and resource sharing  
during lockdown, made with react and nodejs.

### Intelligent Web Session Categorizer

*October 2020*

Automatically Categorizes user's web search session using Topic modelling and  
LDA algorithm, possible uses: improve search suggestions, automatic unused tab  
suspender

### Soplin (Joplin Clone for the [web](#))

*January 2021*

Allows users to create text/markdown notes/todos and upload to their github  
repository with just one click.