



SAKSHAM MRIG

i, Email: saksham19385@iiitd.ac.in



Education

Indraprastha Institute of Information Technology Delhi

DPS Vasant Kunj , Delhi

DAV Public School, Gurugram

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, Firebase, WebAPIs(WebRTC, WebMidi ,WebAudio)

Internship

Google Summer Of Code (with **SugarLabs**) (May, 20 – Aug, 20)
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 Lab) (Jan, 21 - Present)
Guide: Prof. Ponnurangam Kumaraguru
Worked on various research projects, like exploring different scams using knowledge graphs and analyzing twitter and parler posts and their role in the 2021 capital riots in the USA

Projects

Study-Rooms Nov, 20
Online platform for peer-learning (with **video conferencing**) and resource sharing during lockdown, made with react and nodejs.

Intelligent Web Session Categorizer Oct, 20
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)

Jan, 21

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

Video Monitoring and examination service

Oct, 20

Guide: FOSS United Coordinators

Team Size-2

Allows users to create tests along with video monitoring (webrtc) for students, (made as a hackathon project)

Positions of Responsibility

- **Byld** (IIITD's software development club) **Member**, helping other students to get started with new technologies. (Jan,21 – Present)
- **SugarLabs** (Open Source Foundation) **Member**, contributing in the release of MusicBlocks v-2. (Jul,20 – Present)
- **ESYA RoboRace Team**: Coordinated the roborace event with more than 200 participants in **ESYA 19**. (Aug,19 – Oct,19)
- **BHUMI**: volunteered for the **KANINI** project, mentoring and teaching computer basics to 34 underprivileged students (Jun,18 – Aug,18)

Awards and Achievements

- Manav Sthali All India Maths Competition **Silver Medal (2017)**

Interests and Hobbies

- Football
- Music Theory

Declaration: The above information is correct to the best of my knowledge.

Saksham Mrig

Date: February 04, 2021