

# Saksham Arya

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## EDUCATION

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### Indian Institute of Technology

*Bachelor of Technology in Chemical Engineering (CGPA: 9.12/10)*

Kharagpur, WB

July 2019 - May 2023

### Delhi Public School

*CBSE (Grade : 94.2%)*

Delhi

2017-2019

## PROJECTS

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### spAts website | *HTML, CSS, JS, Bootstrap, PHP, MySQL*

June 2020 – Present

- Developed a responsive web application using Bootstrap for Space Technology Students' Society.
- Created a blog page using PHP and MySQL to store the blogs.

### song tune | *Python, AWS, ASK, BeautifulSoup*

December 2020

- Designed an Alexa skill to play music from Youtube.
- The skill uses BeautifulSoup to scrape invidious after it receives input (an artist or a song) from the user and the plays the results on Alexa.

### prof\_list | *Python, Selenium, Pandas*

December 2020

- Implemented a Python script that gets Professors Name, Field of Interest, E-mail, Website and University from <https://inspirehep.net/> and saves them as CSV using Selenium.
- After scraping the website the result is stored as a Pandas Datframe which is saved as a CSV.

### codeify | *NodeJS, Discord API, HighlightJS*

December 2020

- Developed a Discord bot which highlights code upon seeing it.
- The bot uses Highlight.js library to check whether the text is code and which language it is after which it uses Discord's markdown to syntax highlight it.

### cricketpy | *Python, Rich, BeautifulSoup*

January 2021

- Made a program using Python to view cricket scores, commentary and scorecard from the command line.
- The program uses my library criapi to get the data and displays it using the Rich library.
- Criapi uses BeautifulSoup to scrape the cricbuzz site and convert the data into JSON format.

### contacx | *Python, Flask, MySQL*

January 2020

- Created a site using Flask which stores contacts of people IIT KGP sorted by categories Name, Number, Hall, Department and Year.
- The data is stored in a MySQL database which can be searched by categories.

## TECHNICAL SKILLS

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**Languages:** Python, C/C++, MySQL, MongoDB, JavaScript, HTML/CSS

**Frameworks:** React, Node.js, Flask, Selenium

**Developer Tools:** Git, Heroku, ASK, VS Code

**Libraries:** Pandas, NumPy, Matplotlib, OpenCV, BeautifulSoup, Rich, Highlight.js, Discord.js, Bootstrap

## POSITIONS OF RESPONSIBILITY

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### Core Team Member

July 2020 – Present

*Kharagpur Open Source Society*

*Kharagpur, WB*

- Responsible for smooth conduction of events to familiarize students with open source technologies and philosophy,

### Sub Head

July 2020 – Present

*Space Technology Students' Society*

*Kharagpur, WB*

- Responsible for conduction of India's largest space technology fest, NSSC.
- Member of Web team which maintains the website of the society as well as that of NSSC.

## RELEVANT COURSEWORK

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**University:** Programming and Data Structures, Algorithms Lab, Image Processing, Machine Learning for AI

**MOOC:** Machine Learning, Deep Learning Specialization, Algorithm Specialization