

Saksham Arya

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EDUCATION

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

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 syntax 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.

contactx | 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

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

Frameworks: React, Node.js, Flask, Selenium, Tensorflow, Keras

Developer Tools: Git, Heroku, ASK, VS Code

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

POSITIONS OF RESPONSIBILITY

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

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

MOOC: Machine Learning, Deep Learning Specialization, Algorithm Specialization