

# SURAJ KASHYAP

Kolkata, West Bengal

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## Education

**Indian Institute of Engineering Science and Technology, Shibpur**

*Bachelor of Technology in Computer Science (CGPA - 9.33/10.0)*

**Nov 2022 – May 2026**

*Howrah, West Bengal*

**Chinmaya Vidyalaya, Bokaro**

*Intermediate; CBSE Board (95.2%)*

**Aug 2020 – May 2022**

*Bokaro, Jharkhand*

**Pitts Modern school, Gomia**

*Matriculation; CBSE Board (98%)*

**Apr 2019 – Mar 2020**

*Bokaro, Jharkhand*

## Work Experience

**IIT Bombay Abhyuday**

*Winter Camp Participant, Techgyan*

**Nov 2022 – Dec 2022**

[Link](#)

- Attended an intensive winter camp focused on Advanced Python Programming concepts.
- Acquired proficiency in **Python** programming, along with other packages like **Tkinter**, **CGI**, **MySQL**, etc

## Projects

**Threshold driven Clustering Algorithm** | *Python, NLTK* | [GitHub](#)

**December 2022**

- Developed a novel document clustering optimization methodology leveraging correlation-driven techniques.
- Utilized **Python** scripting alongside **Pandas**, **NLTK**, and **Sklearn** modules to engineer a robust clustering algorithm.
- Conducted comparative analyses against traditional clustering algorithms like **KMeans**, **Agglomerative Clustering** and **Gaussian Mixture** to validate the efficacy of the proposed approach.

**MyNote (Text Editing App)** | *Python, Tkinter, SQLite3* | [GitHub](#)

**December 2022**

- Developed a text editor application using Python's **Tkinter** library, providing functionalities like text formatting, saving, opening, and searching within the text.
- Implemented various text formatting features, providing users with flexibility in customizing their text styles.
- Added additional functionalities such as find and replace, go-to line, and keyboard shortcuts for navigation and editing.
- Integrated **SQLite3** database for storing text formatting information, ensuring persistence of formatting choices across sessions and enabling efficient management of text styles.

## Technical Skills

**Languages:** Python, Java, C++/C, MySQL, JavaScript

**Technologies/Frameworks:** Django, React

**Familiar:** Object Oriented Programming

## Achievements

- **CodeChef:** **Top 3%**, 1800+ contest rating, 4-stars. [imsuraj675](#)
- **Codechef Contest:** Secured **global rank 28** in CodeChef Starter 112 and **global rank 194** in Starter 120.
- **Codeforces:** 1500+ contest rating tagged **Specialist**, [Surajk21](#)
- **Codeforces Contest:** Secured a official **global standing of 555** in Codeforces Round 929.
- **Leetcode:** **Top 8%**, 1700+ contest rating [Surajk21](#)
- **AlgoManiac Contest:** Secured **Top 15** position in Algomaniac, held as part of Convolution 9.0 at **Jadavpur University**.