



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2023	B.TECH	IIT Kharagpur	9.66 / 10
2019	All India Senior School Certificate Examination	Lal Bahadur Shastri School	95.6%
2017	All India Secondary School Examination	Saint Capitanio School	10 / 10

SKILLS AND EXPERTISE

Languages:Fluent in: C, C++ (with OOPs), Python, MySQL, UML | familiar with: Dart, Java, Javascript, HTML, CSS

Tools: Git, VSCode, Netlify, Postman

Libraries/Frameworks/SDK : C++ STL, Tkinter, Matplotlib, NumPy, Flask, React.JS, Chart.JS, Flutter

PROJECTS

Coviapp**[Jun '21 - July '21]**

[Project under Prof Shailendra Varshney and Prof Animesh Mukherjee]

Tools used:Flutter, Flask, sqlite3, React.JS, Chart.JS

[<https://github.com/coviapp>]

1. Built a cross-platform smartphone application through which COVID data is collected from Kgpians.
2. Implemented regular monitoring facilities via the application in case a patient is detected positive.
3. Developed a web app consisting of a dynamic dashboard for doctors to facilitate the monitoring of their patients.
4. Graphically displayed individual patient data using special color codes to facilitate better analysis.

Furniture Rental Store System**[Feb '21 - Mar '21]**

[Course project under Prof Sourangshu Bhattacharya and Prof Abir Das]

Tools Used:Tkinter, Python, NumPy, Matplotlib, Unittest

[<https://github.com/Abhitipu/FRSS-Software-Lab>]

1. Developed a desktop application through which customers may loan/rent furniture if required.
2. The admin may maintain an inventory, add/delete specific items and keep track of his expenditure and profits.
3. Designed an SRS document, made UML diagrams and tested the application using specially designed test suites.

COMPETITION/CONFERENCE

Expert on Codeforces (Max rating: 1895) [<https://codeforces.com/profile/Abhitipu>]

Global Rank 119 in Codeforces Round 706 Div2 out of 10k participants

Global rank 671 in Google Kickstart Round B out of 7.5k participants

Global rank 796 in Google Kickstart Round C out of 12.2k participants

Global rank 582 in Google Kickstart Round D out of 11k participants

Global rank 1275 in Google Code Jam Round 1B and qualified for round 2

AWARDS AND ACHIEVEMENTS

-Secured **All India Rank 835** in JEE Advanced among 1.65 lakh candidates

-Secured **All India Rank 1729(99.86percentile)** in JEE Mains among 11.47 lakh candidates

-Awarded the **KVPY Fellowship (SX Stream)** by the Dept. of Science and Technology, Govt. Of India

-Got a **Department Change** to **CSE** on the basis of academic excellence in the 1st year (CGPA: **9.89**)

COURSEWORK INFORMATION

Completed with Laboratory Component: Algorithms I, Software Engineering, Switching Circuits & Logic Design

Completed: Discrete Structures, Probability and Statistics, Formal Language and Automata Theory

EXTRA CURRICULAR ACTIVITIES

NSS:Worked as a volunteer at NSS, IIT Kharagpur

[Jun '19 - Apr '21]

-Taught students in a nearby government school and also organized competitions for them

-Participated in a street play as part of the Annual Winter NSS Camp

ClickKGP:A member of ClickKGP Photography Society

[July '19 - Present]

-Conducted a photography exhibition as well as photography competitions that were open for all

-Managed team affairs and ensured smooth conduct of internal workshops