



## EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2024	M.TECH Dual Degree 5Y	IIT Kharagpur	8.03 / 10
2019	AISSCE	Resonance International School	83.2%
2017	AISSE	Ekalvya Educational Complex	10 / 10

## SKILLS AND EXPERTISE

**Programming Languages:** C++ (Proficient) | Python | C

**Tools/Libraries used:** C++ STL | Git | SolidWorks | LT Spice | VS Code | PyCharm | MS Office Suite | Adobe Suite

## PROJECTS

## Food Ordering Program

[April 2021]

- Programmed a simple Food Ordering System that helps order and suggests varieties of items from the provided menu and gives the bill, using C++ language.

## File Compressing and Decompressing Application

[Feb 2021]

- Programmed a text file compressor and decompressor application with **Huffman** Encoding Algorithm in C++.
- Resulted in an average of more than 50% compression ratio with only constant extra memory of Dictionary used.

## Kitchen Companion | A B2B Project

[April 2022]

- Designed a Hotel Management Application (Kitchen Companion) for a hypothetical **B2B Start-Up** with Restaurant Industries as a group project of two, helps Restauarnts in table management and analyse it's business performance.
- Also planned the Table management Algorithm, Time per Table Turnaround (KPI for revenue and customer satisfactor), Monetisation, Marketing Strategy, Revenue Model, and a complete SWAT Analysis for the start-up.

## COURSEWORK INFORMATION

**Computer Science:** Programming and Data Structure(Theory+Lab) | Machine Learning in Python | Computer Graphics and Engineering Drawing | Data Structure and Algorithm | C++ Advanced Course.

**Mathematics:** Probability and Statistics | Transform Calculus | Linear Algebra | Advanced Calculus.

**Others:** Engineering Business Plan Development | Financial Management | Basic Electronics | Electrical Technology.

## CERTIFICATIONS

## C++ Advanced Course

[June 2022]

- Completed the C++ course offered by CodeAcademy that included STL, Applied Algorithms and Data Structures.

## Machine Learning Course

[July 2021]

- Completed the Machine Learning Course that includes Linear Regression, Logistic Regression, Essemble Technique and a brief Deep Learning with R.

## AWARDS AND ACHIEVEMENTS

- Won Senior Maths Marathon Cup Competition in Class 9 at School.

- Secured an All India Rank 2421 (Category) in JEE ADVANCED.

- Secured a percentile of ~98.2 in JEE MAINS.

[2015]  
[16 June, 2019]  
[Jan, 2019]

## POSITIONS OF RESPONSIBILITY

## Associate Member | TMES

[18th Oct. - 20th Oct. 2019]

- Helped Organising the Largest Departmental Fest of IIT Kharagpur, GREAT STEP 2019.
- Managed the Safety Data Analytics, Safety Hunt, Geobotics, Petro Case Study and Enviro-Case Study Events.
- Managed the Accomodation of Participants from different Universities and guided them throughout the Fest.
- Did the Reception for Our Special Guest of the Fest, GREAT STEP, 2019.

## School Prefect

[June, 2015 - March, 2017]

- Led the Class as Class Representative/Captain in Class 9 and 10.
- Led the Green House as House Prefect at School and won the House Cup 2017.

## EXTRA CURRICULAR ACTIVITIES

- Won **Bronze medal** as a Team in Inter-Hall Hockey Gymkhana Championship.

[2021-22]

- Actively Participated in the Construction of 1500 square feet Illumination for Azad Hall and won the Bronze Medal.

- Participated in **National Sports Organisation** : Health and Fitness for Four Semesters.

[2019-2021]