



EDUCATION

| Year | Degree/Exam | Institute | CGPA/Marks |
|------|----------------|---------------------------------|------------|
| 2023 | B.TECH | IIT Kharagpur | 9.60 / 10 |
| 2019 | CBSE, Class 12 | Lord Mahavir Jain Public School | 90.2% |
| 2017 | CBSE, Class 10 | Delhi Public School | 10 / 10 |

PROJECTS

Food Delivery Service Management System, Course Term Project, IIT Kharagpur Mar'21
Software Engineering Project under Prof. Abir Das and Prof. Sourangshu Bhattacharya

- Developed a Web Application to provide a platform for food delivery service to the people, a platform for Restaurants to offer their services online and a place for Delivery Agents to work.
- Created complete documentation for the application including Class Diagram, Use-Case Diagram, Test Plan and Software Requirements Specification Document.
- Developed Front-end using HTML, CSS and Backend using Flask and Database hosted on Firebase.

Railway Reservation System, Course Term Project, IIT Kharagpur Mar'21
Software Engineering Project under Prof. Partha Pratim Das

- Developed a Console Based Application for reservation of railway tickets between defined stations.
- Added features to compute fair for the booking based on the Booking Hierarchy defined by the Railways.
- Used Object-Oriented Programming in C++ for the application. Proper Documentation for the application, including UML Diagrams and Test Planning was done.

COMPETITION/CONFERENCE

- **Google Codejam 2021**, Secured **Rank 1161** in **Round 1** and **Qualified** for **Round 2**. May'21
- Participated in **Google KickStart 2021 Round B, C and D**, secured **Rank 246, 686 and 511** respectively. May'21
- Designed and built an autonomous robot capable of traversal with shape detection and barcode reading for **Nexus**. Jan'20
- Attended Orientation-cum-Selection Camp (**OCSC**) for International Chemistry Olympiad (**ICHO**) at HBCSE, Mumbai. Jun'19

AWARDS AND ACHIEVEMENTS

- **5 star** with max rating **2032** on Codechef, a coding platform (handle - satvikb)
- **Candidate Master(CM)** with max rating **2078** on Codeforces, a coding platform (handle - satvikb)
- Secured **All India Rank 238** in IIT JEE-Advanced 2019 out of 245,000 candidates.
- Secured **All India Rank 711** in JEE-Main 2019 out of 1.2 million candidates.
- Awarded with the **KVPY Fellowship** by Govt. of India in 2018 and 2019.
- Awarded with **National Talent Search Examination (NTSE)** scholarship by NCERT, Govt. of India.

COURSEWORK INFORMATION

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|--|--|------------------------------|
| • Programming and Data Structures* | • Discrete Structures | • Probability and Statistics |
| • Formal Languages and Automata Theory | • Algorithms I* | • Software Engineering |
| • Switching Circuits and Logic Design | (* marked courses have a Laboratory Component as well) | |

SKILLS AND EXPERTISE

- **Programming:** C | C++ | Python | Java
- **Web Development:** HTML | CSS | JavaScript | Flask

POSITIONS OF RESPONSIBILITY

Student Department Representative | Career Development Centre Oct'20-Feb'21

- Coordinated Various Internship and Placement Tests and Interviews for the smooth execution of the process.
- Part of a 30 member team that handled the whole process.
- Responsible for management of data for students appearing for Internships and Placements.

Executive Member | Gopali Youth Welfare Society Aug'19-May'21

- Worked as a member of the **Web-Design Team** and the **Expansion Team(LiGHT)** of the society.
- **Web-Design Team:** Built **LiGHT Website** from scratch. Implemented and Constructed various designs using **HTML, CSS, Javascript**, and **Bootstrap**. Hosted the website using cpanel and NodeJS.
- **Expansion Team(LiGHT):** Managed 3 Centres remotely as their Centre In-Charge. Conducted a **Nation-Wide Workshop** for School teachers. **Executed a Career Counselling Drive** for Secondary and Higher-Secondary students of the country.

EXTRA CURRICULAR ACTIVITIES

- **NSS Unit 4** Volunteer.Organised various activities for the people of the allocated village and participated in the teaching process of a few students.
- Participated in the **Open Maths Olympiad**.
- Competed in **RoboSoccer**, and built a Relay Circuit based Remote Controlled Bot in freshman year.
- Participated in **Computer Vision Winter Workshop**, and implemented various algorithms and concepts of OpenCV in C++.