



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2025	B.TECH	IIT Kharagpur	8.83 / 10
2021	CBSE(XII)	Senior Secondary School Sector-X	97.4%
2019	CBSE(X)	Senior Secondary School Sector-X	96.6%

PROJECTS

Newsify and Weather Wizard | Project on Web Development

[June 2023]

- Developed a News and Weather Website using **HTML**, **CSS**, and **JavaScript**. Result was a user-friendly interface displaying latest news from across India and weather info from **100+** countries, establishing a global platform.
- Integrated a **search bar** feature using JavaScript's Event Listener functionality to enable users to effortlessly search for the weather information of their desired location, the location being any country, state or even a city.
- Optimized performance with advanced **asynchronous programming** and integrated news and weather **APIs** resulting in under **500 milliseconds** average response time, ensuring real-time news and weather data display.
- Showcased **responsive design** skills, leveraging **Bootstrap CSS** for a seamless user experience across devices of different size. Emphasized accessibility and usability, ensuring smooth navigation and engagement on all devices.

TaskMaster and JokeHub | Chrome Extensions using JavaScript

[June 2023]

- Successfully designed and developed a highly interactive and engaging Chrome extension, utilizing the power of **JavaScript** and **Manifest V3**. Each time the user interacts with the extension, a cleverly curated random joke is displayed by fetching data through an external **API** with an average response time of merely **300 milliseconds**.
- Developed a user-friendly Chrome extension called "**Task Master**" using the same tech-stack mentioned above, allowing the users to create and manage their to-do lists directly from their browser. Implemented some powerful features such as adding tasks, removing tasks and **persistent storage** with the help of **Chrome storage API**.

RoboStriker | Bluetooth-controlled soccer bot

[January 2023]

- Played an integral role as a member of a highly efficient 4-member team, successfully developing a high-precision **soccer bot**. The final product showcased exceptional rotation accuracy and a high quality wooden body.
- Utilized **Arduino** to control the soccer bot using a user-friendly app for **Bluetooth control**, facilitating precise coordination of the 4-wheel motors, enabling the bot to execute flawless turns with a precision rate of **95%**.
- Optimized code, causing a remarkable **20% reduction** in computational resource utilization within the control system. Implemented advanced algorithms and high quality chassis for precise motion of the ball grabber.
- Exemplified outstanding teamwork and dedication, successfully completing the project within an impressive timeframe of just **1 week**, showcasing strong collaboration skills and a commitment towards excellence.

AWARDS AND ACHIEVEMENTS

Competitive Programming

- Achieved a Global rank of **9196** among **3.0 Lakh+** candidates in Code Gladiators (round 1), a programming contest organised by TechGig every year, and got qualified for round 2.
- Secured a Global rank of **153** among **15K +** participants in CodeChef STARTERS 91.
- Secured a Global rank of **473** among **15K +** participants in CodeChef STARTERS 96.
- Secured a Global rank of **196** among **15K +** participants in CodeChef STARTERS 97.
- Solved 300+ problems across various platforms like LeetCode/CodeChef/InterviewBit.
- HackerRank certified in problem solving (Intermediate).

SKILLS AND EXPERTISE

Languages : Proficient : C,C++, HTML, CSS. Familiar : Python, JavaScript ,SQLite.**Other Tools** : LT Spice, MS Office, Latex, Git, Adobe Photoshop, Adobe Premier Pro.

COURSEWORK INFORMATION

Computer Science : Programming and Data Structures, Database Management Systems.**Mathematics** : Probability and Statistics, Linear Algebra and Numerical Analysis, Advanced Calculus.**Electrical Engineering** : Digital Electronic Circuits, Signals and Systems.**MOOCs** : Supervised Machine Learning (Coursera).

EXTRA CURRICULAR ACTIVITIES

- An active member of the Rajendra Prasad Hall Illumination Design team, which secured 3rd place last year.
- Actively participated in the institute athletics' events, and completed NSO Athletics as a part of the curriculum.