EDUCATION

Year	Degree/Exam	Institute	CGPA/Percentage
2027	B.Tech+ M.Tech, Computer Science and Engineering	Indian Institute of Technology Kharagpur	8.52
2022	Class XII, RBSE	Keshav Public School, Jaipur	94.2%
2020	Class X, RBSE	Govt. Sr. Sec. School, Jaipur	82.67%

INTERNSHIPS

Full Stack Developer | iProp91 *Aug'24-Oct'24*
○ Completed a full-stack development internship at iprop91, a startup focused on real estate management solutions.
○ Built the website using React, Tailwind CSS, Node.js, Express.js, MongoDB, and Mongoose, ensuring a responsive and scalable platform.

PROJECTS

Online Medical Consulting System - MERN | Tailwind CSS Mar'24 - Apr'24 *Prof. Sourangshu Bhattacharya*
○ Developed a service where patients can get a consultation from doctors from their nearby places, book an offline consultation or can get online prescription for the disease, and Provide feedback to the doctors about their service. All communication is done by Mails using NodeMailer.

KNN | KD, RP Tree | Vector Library| C++ **Self-Project**
○ Implement a research paper algorithm to find K-nearest neighbors to a point in D-dimension using KD, RP Tree.
○ Used OOPs (Classes, Virtual function, Singleton Class) to create a vector library to store points of D-dimension, created a library to store all vectors in a dataset reading from a file.

iNotebook - MERN | Tailwind CSS | Material UI *Self-Project*
○ Developed a website where a user can sign in and keep all his/her notes in the MongoDB, The User can Create, Delete, and Update the notes.
○ Used useContext hook to perform the availability of data in every component on the website, Material UI for styling of Components.

Social Network - C | Pointers | Structures Apr'24 - Jul'24 *Prof. Sourangshu Bhattacharya*
○ The Social Network System in C enables creating nodes, linking them, content, exploring connections, searching, and deleting nodes.
○ This project uses **pointers**, **dynamic memory allocation, structures**, **text-based Terminal user interfaces**, and **linked lists** for node management.

Mailer - ReactJS | NodeJS | Nodemailer *Gopali Youth Welfare Society*
○ Created a mass mailing tool that sends bulk personal emails including files, and customized/designed email templates for NGO GYWS.

SKILLS AND EXPERTISE

○ **Frameworks, Libraries and Languages: C++** | C | Python | HTML | CSS | **JavaScript** | **ReactJS** | **Tailwind CSS** | **NodeJS** |**MongoDB** | Bootstrap | Yacc | lex | Valgrind | **NumPy** | TKinter | Debugger | GNU-Profile | Makefile
○ **Software and Tools:** GitHub | Visual Studio Code

COURSEWORK INFORMATION

Compilers* | Computer Organization and Architecture* | Machine Learning | Algorithms-2 | Software Engineering* | Formal Language and Automata Theory | Switching Circuits and Logic Designing * | System Programming Lab* | Algorithms-1* | Discrete Structure | Programming and Data Structure* | Electrical Technology* | Basic Engineering Mechanics | DIY Lab*
[* marked courses have a Laboratory Component as well]

CERTIFICATES

Algo Zenith | DSA Course Completion Certificate
○ Completed a 4-month long DSA course, solved 500+ Questions on Leet Code and Algo Zenith Platform.

EXPERIENCE

JEE Mentor |Physics Wallah Apr'24 - Present
○ Mentoring 500+ Jee aspirants to achieve their goal of cracking one of the toughest exams in INDIA to get admission to IITs and NITs.

Head of Technical Operations | Gopali Youth Welfare Society Feb'23 - Present
○ Raised a Donation amount of **INR 46.6 Lakh** as a team in two weeks through the Google Gift Matching Program in November 2023.
○ Raised a Donation amount of **INR 3.11 Lakh** (Highest in the Team) Individually by alumni calling in 4 months from Oct '23 to Jan '24.
○ Successfully conducted **Dev-A-Web, a Web Development workshop** for the school students and college students of the whole INDIA in Dec'23.
○ Guided 13 Juniors about Frontend Development, 23 Juniors about Fundraising, CSR, NGOs, Different Govt. Grants.

POSITIONS OF RESPONSIBILITY

Sub-Head | Rajasthan Cultural Association Feb'23 - Mar'24
○ Spreadhead **Malhar - The Cultural Night 2023**, which witnesses 30+ Participants and 700+ Audiences including students and professors.
○ Conducted **PATANG - The Kite Fest 2024**, which witnesses 1000+ Participants including students and professors.

EXTRA CURRICULAR ACTIVITIES

○ Part of NSO - Health and Fitness from Nov'22- Apr'24