CHANDAN KUMAR

ACADEMIC DETAILS

Year	Degree / Board	Institute	GPA / Marks(%)
---	B.Tech in Biochemical Engineering & Biotechnology	Indian Institute of Technology Delhi	7.46
2021	U.P-Board	S.G.S Inter College Samodhpur Jaunpur	79.6%
2019	U.P-Board	S.G.S Inter College Samodhpur Jaunpur	85%

SCHOLASTIC ACHIEVEMENTS

• **Participating Clash of Codes :** knowledge and skills in bioinformatics and coding [Dec,2024-Jan, 2025]   IIT-Madras
• JEE-Mains 2022 : Achieved an outstanding 98.82 percentile in the highly competitive Joint Entrance Examination, standing out among 1.2 million aspirants nationwide.

PROJECTS

• **Online Book Store :** Built a full-stack web application to manage an online book store using React, Node.js, and MongoDB. Integrated payment processing using Stripe API and added user authentication with JWT. Deployed the application on AWS using EC2 and RDS for a production-ready environment   **06/2023 – 07/2023**
• **Developer– Slima :** Developed a scalable and performant video streaming app using React, Tailwind CSS, React Router, and Redux powered by YouTube's Live API. Optimized search functionality by implementing debouncing and caching results in Redux. Used lazy loading with Suspense, built nested comments using recursion, and implemented live chat with APIpolling.   **03/2024 – 05/2024**
• **Newsglance News App [Independent project] :** Made dynamic SPA using function and class based components fetching realtime data using API from NewsAPI- Introduced Sticky Navbar, Infinite Scrolling, loading Spinner, Source & News Categorisation using React Router & Switch- Used MongoDB to store the user credentials & bcrypt.Js for pasword hashing and salt & pepper technique for additional securit   **06/2024 – 07/2024**
• **Freelance Web Developer :** Designed and developed a portfolio website for a local artist using HTML, CSS, and JavaScript. Integrated Google Analytics and implemented SEO techniques to boost website traffic. Managed hosting and deployed the website using GitHub Pages.   **01/2024 – 03/2024**

TECHNICAL SKILLS

• **Softwares and Programming Languages :** HTML, CSS, ReactJs, NodeJs, Express.js, API, JavaScript, Web3 and blockchain development, C++, Python (Python GUI Desktop App Development), Tkinter, Pandas, NumPy Java, Firebase, Framer Motion, C, Matlab, Git, GitHub and Version Control, VScode, Autocad, MS Word, MS Excel, Google Sheet.
• **Relevent Course :** Data Structure and Algorithms, Operation System, OOPs, Introduction to Bioinformatics. Intro. To Electrical Engg. Linear Algebra & Calculus, Differential Equations,

EXTRA CURRICULAR ACTIVITIES

• 1st Position: Disscus Throw,Inter Hostel,ATHLETICS   [June, 2022 -- May, 2023]
• 2nd Position: UNDER 69, InterHostel,WEIGHTLIFTING   [June, 2022 -- May, 2023]
• 3rd Position: javelin, InterHostel, Athletics   [June, 2022 -- May, 2023]
• 2nd Runner Up: in Overall Inter-Hostel GC, BSA Trophy -Second Runner   [June, 2023 -- May, 2024]

POSITIONS OF RESPONSIBILITY

• **Weightlifting - Captain :** Aravali, BHM [July, 2024 -- May, 2025]

AREAS OF INTEREST

• **Artificial Intelligence and Machine Learning:** Leveraging data-driven approaches to solve complex problems and innovate in biotechnology and beyond.
• **Full-Stack Web Development:** Designing and developing scalable, user-friendly web applications.
• **Data Structures and Algorithms:** Building efficient solutions for computational challenges.
• **Biotechnology Research:** Exploring cutting-edge advancements and integrating AI for impactful scientific discoveries.
• **Data Analysis:** Utilizing SQL and analytical tools to uncover insights and optimize performance in various domains.
• **Proficient in Python** programming with a strong foundation in writing clean, efficient, and modular code.Experience in building data-driven applications, including automation scripts, web development with frameworks like Flask/Django, and API integration.