

Laksh Sachdeva

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🌐 [Laksh Sachdeva](#)

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EDUCATION

Netaji Subhas University of Technology

BTech - Computer Science Engineering- **CGPA - 8.78**

2022 – 2026

New Delhi, India

Indraprastha World School

Class XII, Senior Secondary Education - CBSE - **Percentage - 97%**

2020 – 2022

New Delhi, India

EXPERIENCE

Group Project: HyperAttention Drug-Target Interaction Model

5th Semester

[Github Link](#)

- **Led a team of 4:** Led project planning, delegated tasks effectively, and ensured the timely completion of milestones.
- **Collaborative Development:** Collaborated with team members to design and develop a deep learning-based Drug-Target Interaction model.
- **Applied frameworks:** PyTorch, TensorFlow, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn , Keras and utilized techniques such as **Convolutional Neural Networks and Transformers (ProtBERT)**.
- **System Modeling and Data Management:** Designed scalable architectures for drug-target interaction prediction, leveraging UML diagrams and efficient deployment pipelines .

PROJECTS

mernChat - Real Time Chat App [↗](#) | [MERN](#)

2024

[Github Link](#)

- * Built a fully **functional chat application** enabling users to communicate through text.
- * Implemented a real-time communication channel using **WebSockets**, ensuring **low-latency updates and seamless user interactions**.
- * Developed the **backend using Express.js and Node.js to handle API requests**, manage user authentication with **JWT**, and establish **WebSocket** connections for real-time communication. Designed a **dynamic and responsive frontend using React** for instantaneous message exchange.

AI-Powered Coding Assistant Chrome Extension [↗](#) | [JS](#) , [HTML](#) , [CSS](#)

Dec 2024

[Project Demo Video](#) [Github Link](#)

- **Developed a context-aware chrome extension:** Integrated AI-powered assistance using **Gemini API**, for coding challenges.
- **Designed and implemented UI** using **JS , HTML , and CSS** for seamless "AI HELP" button and **chat box integration** in a single-page application (SPA).
- **Optimized AI prompts** to deliver accurate , problem-specific responses , added features like chat history storage and customizable UI options , elevating user experience

COURSEWORK / SKILLS

- | | | | |
|-------------------|---------------------|-----------------------|----------------------|
| • Algorithms | • Operating Systems | • Database Management | • Object-Oriented |
| • Data Structures | • Network Security | • Machine Learning | Programming Concepts |
| | | | • Web Development |

TECHNICAL SKILLS

Languages: C, C++, JavaScript, SQL, NoSQL

Developer Tools: VS Code, Jupyter Notebook and Google Colab

Technologies/Frameworks: GitHub, React.js , Redux, Next.js, Node.js, Express.js, Git, and MongoDB

CERTIFICATIONS

- **AZ-201 : Applied Algorithms and Data Structures** Algozenith : Completed 16-week AZ Applied DSA training program and earned a certificate for proficiency and dedication in problem solving.
- **HackOn With Amazon** - Season 4.
- **Accenture Innovation Challenge 2023.**