



Laksh Sachdeva

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Laksh-01

Portfolio

EDUCATION

Netaji Subhas University of Technology (NSUT)

Aug 2022 – July 2026

B.Tech in Computer Science and Engineering CGPA: 8.82 / 10

New Delhi, India

Indraprastha World School

Apr 2020 – Mar 2022

CBSE Class XII – Senior Secondary Score: 97%

New Delhi, India

EXPERIENCE

Software Development Intern - Larsen & Toubro Hydrocarbon

May 2025 – July 2025

- Contributed to an internal tool for **automated technical manual generation** using **C#** and **ASP.NET** (MVC Architecture).
- Built scalable business logic and data layers with **Entity Framework**, **SQL Server**, and REST APIs.
- Integrated **IndexedDB** for **local storage** handling and **offline support**.
- Optimized table interactions via **lazy loading** for **paginated data** and **drag-and-drop row swapping** with server-side updates.

PROJECTS

FinTracker – AI Powered Finance Tracker | React, Prisma, PostgreSQL, ShadCN UI, AI

2025

[Project Link](#) [GitHub Link](#)

- Built a **full-featured personal finance tracker** to manage **income**, **expenses**, and **investments** with real-time updates.
- Integrated AI features such as **auto-scanning** and **intelligent transaction classification**, **compounded future value predictions**, and a **context-aware chatbot** for personalized investment support.

AssistME - AI-Powered Coding Assistant Chrome Extension | JavaScript, HTML, CSS Dec 2024

[Project Demo](#) [GitHub Link](#)

- Developed a **context-aware Chrome extension** using the **Gemini API** to provide real-time AI support for coding challenges.
- Designed a responsive SPA interface with an “AI Help” button and chat box using **JS**, **HTML**, and **CSS**.
- Optimized prompts for **accuracy** and **contextual relevance**, added chat history, and provided UI customization options to improve UX.

HyperAttentionDTI – Drug-Protein Interaction Prediction | Python, Deep Learning 5th Semester

[GitHub Link](#)

- Built a deep learning model to predict **drug-protein interactions** using **sequence-based data** and **hyperattention mechanisms**.
- Implemented end-to-end training and evaluation pipeline using **PyTorch**, with detailed metrics and data processing utilities.

COURSEWORK

- | | | | |
|----------------------------------|-------------------------------|---------------------|---------------------|
| • Data Structures and Algorithms | • Object-Oriented Programming | • DBMS | • Operating Systems |
| | | • Computer Networks | • Machine Learning |

ACHIEVEMENTS

- IMC Prosperity 3:** Global Rank #278 / 10,000+ — India Rank #46 in a global algorithmic trading competition.
- Semester Topper (5th Sem):** Ranked 1st in CSE department with GPA **9.57 / 10**.
- Instagram Sales Drive:** Generated 21,000 revenue, 10,000 profit via Kinder Joy-themed social campaign.
- AlgoZenith DSA Course:** Solved 300+ problems across graphs, DP, trees, and advanced algorithms.