

Harsh Laddha

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Education

The LNM Institute of Information Technology

Bachelor of Technology in Computer Science Engineering (CGPA:8.56/10.0)

Jaipur

8/2023 – 05/2027

Technical Skills

Languages: C++, Javascript, Python, SQL, HTML, CSS

Frameworks and Libraries: React.js, Express.js, Node.js, Scikit-learn, Pytorch, Tensorflow

Developer Tools and Databases: Git, VS Code, Linux, Postman, MongoDB, MySQL, Docker

Relevant Coursework: Data Structures and Algorithms (C++), Operating Systems, Computer Networks, Introduction to Database Management Systems, Advanced Programming, Software Engineering, Design and Analysis of Algorithms.

Coding Profiles

- Leetcode
- [Codeforces](#)

Projects

FinSplit – Full-Stack Personal Finance & Group Expense Tracker

React, Vite, Firebase (Auth, Firestore), Tailwind CSS, Framer Motion

- Developed a responsive finance tracking web app with Splitwise-style group expense management, personal income/expense logging, and real-time bill tracking features.
- Integrated Firebase Authentication and Firestore for secure user login and persistent storage of personal and group financial data.
- Implemented role-based navigation and route protection using React Router and custom auth context hooks.
- Designed and built a modern, mobile-friendly UI with animated navigation, dark mode toggle, and state persistence via localStorage.
- Used Tailwind CSS for smooth animations, responsive layouts, and consistent theming across the app.
- Engineered a scalable, context-driven architecture using React Context API for authentication, finance, and group state management.

Supply Chain Resilience Dashboard

React, FastAPI, Python (XGBoost, Pandas), Leaflet.js

- Developed a full-stack application to predict supplier failures and optimize supply chain distribution strategies.
- Built a data pipeline with FastAPI and Pandas for preprocessing dynamic environmental and geopolitical data.
- Applied XGBoost for supplier risk modeling and ranking based on failure probabilities.
- Designed an interactive React dashboard with real-time insights and map visualizations using Leaflet.js.
- Enhanced supply chain stability through predictive analytics and data-driven decision support.

PersonalNotes – Online Note Management System

React, Express, MongoDB

- Built a secure, user-authenticated web application for storing personal notes in the cloud.

- Features include user login/signup, and the ability to add, edit, and delete notes.
- Designed with a responsive user interface.

Achievements

Teaching Assistantship – Programming for Problem Solving

- Assisted in lab sessions by helping first-year students understand programming concepts and solve coding problems.
- Recognized with a certificate for valuable contribution.

Graphs Camp by Codeforces Master | Jan 2025

- Selected from over 80,000 applicants across India for advanced training in graph algorithms.
- Completed 17+ advanced techniques, solved high-difficulty problems, and was featured in the Hall of Fame.

Co-Curricular Activities

Organized Intra-College Sports Competition

- Planned and executed an inter-departmental sports event within the college, coordinating with multiple teams and managing logistics to ensure smooth operations and maximum participation.

Volunteered at Sankalp (Social Welfare Club)

- Contributed to community service initiatives including educational support and awareness drives.
- Actively participated in organizing events and campaigns aimed at social betterment.